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THE CHEMIST AND DRUGGIST

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THE TOAST IS "BRITAIN"

(See page 3)

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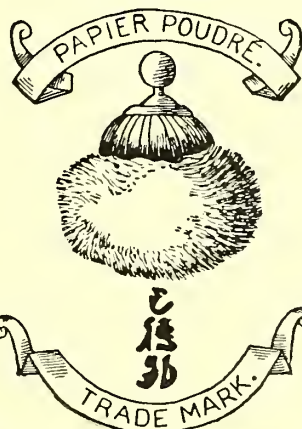
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Hung "on the line" in this year's Academy, the original painting by Fred Roe, R.I., of which the above is a black-and-white photograph, was one of the pictures of the year, and attracted a great deal of attention, no less by its artistic excellence than by reason of the historic incident which it portrays.

The picture is of an episode in the life of probably the most beloved of our National Heroes, and relates to a complimentary banquet at which Nelson was seated next to Benjamin West. He expressed admiration for the painter's "Death of General Wolfe," and asked West why he had painted no more such pictures. West replied that there were no more such subjects left, but that he feared Nelson's intrepidity would some day furnish him with an opportunity which he would not lose; Nelson, thereupon, is said to have replied, "Then I hope I shall die in the next action."

The subject is one which always makes a strong appeal to British sentiment—more particularly so at the present time—and the proprietors of Wright's Coal Tar Soap have, therefore, at very great expense, decided to issue a facsimile reproduction of the picture in colours, which is in every respect of the high standard fitting to the occasion and the subject.

The reproduction, mounted as it is on best plate paper, size 33in. by 27in., is a most handsome picture, worthy to grace the walls of the most tasteful home; it will be sent FREE, securely packed, to users of WRIGHT'S Coal Tar Soap who send 24 outside wrappers from the 4d. tablets of soap, together with 6d. to cover postage (inland). Foreign postage extra.

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BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

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W.</p> <p>Scientific Apparatus ken, Son & Co., Ltd. ischer, J. olds & Branson, Ltd.</p> <p>Sea Salt nan & Son, Ltd.</p> <p>Seed Dressing ker, Arthur B. linson & Hayward, Ltd.</p> <p>Seeds er & Clarke, Ltd.</p> <p>Serums and Antitoxins a & Hanbury, Ltd. oughs Wellcome & Co., Ltd. dy, T., & Co. ason, Lescher & Webb, Ltd. e, Davis & Co. cox, J. & Co.</p>	<p>Shampoo Powders Standard Tablet & Pill Co., Ltd.</p> <p>Shares McAdam & Tuckniss</p> <p>Sheep Dips Burt, Boulton & Hayward Ltd. Tomlinson & Hayward, Ltd.</p> <p>Shop Fittings Ayrton-Graham, Ltd. Cook, George Evans Sons Lescher & Webb, Ltd. Edmonds, A., & Co., Ltd. Farley & Co. Grant, D. Harris & Sheldon, Ltd. Josephs, Phillip, & Sons, Ltd. Maw, S., Son & Sons Mills, H. Parnall & Sons Ruddock & Co. Sangers</p> <p>Shoulder Straps Wood, Vincent</p> <p>Signs, Electric. &c. Universal Sign Works</p> <p>Soap-making Plant Forshaw, E., & Son Ltd.</p> <p>Soaps, Toilet, &c. Allen & Hanbury, Ltd. Armour & Co., Ltd. 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Another relief for tired feet. Made of strong nickel-plated metal, upper part leather covered. Each, in box, 3/9 per pair. Ladies' size (for Nurses, etc.), 3/3 per pair.

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In 2 lb. and 4 lb. bags. Contain a variety of bandages of different widths, 1/6 per lb.

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Felt, flannel and woven woollen patterns, from 24/- per dozen. Showcard with orders.

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Useful for campaigning on account of small amount of room required. From 8/- to 10/6 per case.

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A good safeguard against cholera, typhoid, etc. Our War Office pattern (B1621/S), 4/- each. Other patterns—Aluminium, 4/8; Earthenware, 3/6; and Silicated 2/ and 4/- each.

SAFETY RAZORS.
We recommend the "Parex," 7/- and 8/3 each, and the "Ajasta" at 21/- per dozen.

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The "Anona," 10/- per dozen. The "Hona" (double), 14/- per dozen. Non-rusting and require no preparation.

THE "MINN" ARM SLING.
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Made in black or white silk. No troublesome knots at neck. Always the correct length. Suitable for the hand, wrist, forearm or arm. In box, 4/3 each.



Many of the above lines will make good Xmas Gifts. Now is the time to display them.



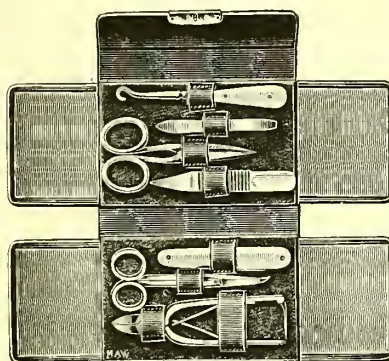
S. MAW, SON & SONS
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Maw's  **Page.**

No. 162 NOV. 21, 1914

MANICURE SETS

Although the general public will purchase Christmas Gifts with an eye to economy, the Festive Season will not fail to loosen purse strings where suitable presents are displayed. The following Manicure Sets are emphatically in this category.



A PERFECT GENT'S MANICURE CASE.

British Make.

A neat leather folding Case, as illustrated, not larger than a small pocket book, yet containing a complete Manicure and Pedicure Outfit. Finest Sheffield steel instruments, ivory handles. Size of Case closed $4\frac{3}{4}'' \times 3\frac{1}{4}'' \times \frac{3}{8}''$.

Contents: Straight nail scissors, curved cuticle scissors, powerful toe nail clipper, corn knife, tweezers, button hook.

Price 13/6 each.

BEST GRADE POPULAR SERIES "S"—

Either set will make a handsome gift for a lady.

Deep cases, domed lid, lined plush and satin in assorted colours, good cutlery, all polishers fitted with detachable ring—

S1/C.	6 pieces	...	...	...	...	...	3/6 each.
S2/C.	6 "	larger and better	...	...	...	...	4/9 "
S3/C.	7 "	...	...	...	...	...	6/- "
S4/C.	7 "	better instruments	...	...	...	...	7/- "
S5/C.	7 "	"	"	and 2 pair scissors	...	...	8/- "
S6/C.	8 "	"	"	"	"	"	9/- "

THE Shampoo Powder in the triangular packet is "Parex," our latest preparation. Put up in packets of seven in box, price 7/9 per dozen boxes. Write for details of attractive bonus offer.

OUR WEEKLY COMMUNIQUE

3 pint, 1/6 each;
4 pint, 2/- each.
Usual discount. The "Cottage" is good quality throughout, supplied with jointed spout and spreader.

NOW that our Ammoniated Quinine Capsules, and Ammoniated Quinine and Cinnamon Capsules are put up in new art boxes, these lines have become more popular than ever. The first-named are 3/9 and 7/0 per dozen; with Cinnamon, 4/- and 7/9 per dozen, subject.

A Bronchitis Kettle of remarkable value is our "Cottage" pattern, made in our London factory. Prices:

SHOE Lift Sets, with blue, green, and violet-coloured handles, are quite new and make pleasing gift lines. CH40 (21/- per dozen) and CH41 (42/- per dozen) should not be omitted from the Christmas display.

OPTICIANS will find many good things in our "Prescription and Jobbing Catalogue" just issued. When writing for a free copy why not give us a trial order? Feeds are better than words!

BRITISH-MADE GREASE PAINTS

We are now supplying British-Made Grease Paints and other Theatrical Sundries which bear the trade mark—

THE **“OGEE”** REGD.



Insist on this Brand.

Refuse substitutes, as it is the only one to give complete satisfaction.

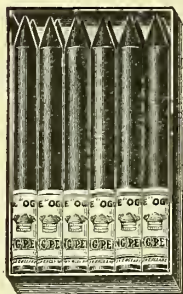
THE **“OGEE”** GREASE PAINTS ARE PACKED 6 STICKS IN A BOX. IN ALL SHADES, CORRESPONDING WITH THE CONTINENTAL MAKES.

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The **“OGEE”** Long Lining Pencils.

In all shades. Packed 6 in a box.

PRICE **2/3** PER DOZ.



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Short Lining Pencils.

Packed 12 sticks in a box.

In all shades.

PER **1/9** DOZ.

THE **“OGEE”**
Nose Paste.

For making False Noses.

PER **2/3** DOZ.

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Cocoa Butter.

In round sticks.

Small ... **3/6** per doz.

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(Grease off face).

The perfect Grease Paint Remover.

Instantly removes Theatrical Make-up, &c., WITHOUT the aid of grease.

In Tin Boxes.

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From all the leading Wholesale Houses, or

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We have something unique in Toilet Creams at 4/- per doz.

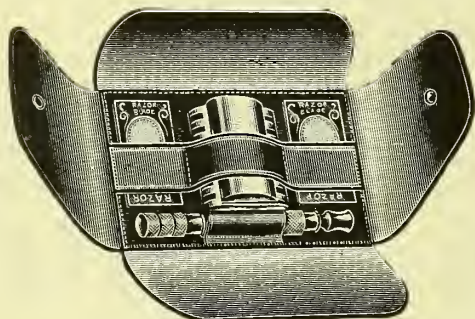
Our new "Art Series" of Toilet Creams is now ready. It is different in style to anything hitherto obtainable.

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A sample will be sent post paid and free of charge upon request.

AYRTON, SAUNDERS & CO., LTD.
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SAFETY RAZORS

BRITISH MADE.

No. K3 Electro-plated, High-class
Finish, "7" Pattern Razor,
18/- with three Blades, in flat, solid
DOZEN. Leather Case, Brown and Tan.

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Your kind co-operation in introducing the new shape, and pushing the old is invited. Effective, well got-up, well advertised, easy to sell, having largest sale of any Smelling Bottle in the World.

Packed in fancy cardboard cases—the Round Bottles in half-dozens, and the new-shaped Flat Bottles in one Dozen—and obtainable from all Wholesale Patent Medicine Warehouses.

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Decorated Tin Boxes & Canisters

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Is being victoriously waged wherever "RODINE" is being sold to those troubled with rats. "RODINE" is the rat poison that exterminates rats completely, and every 1/- tin sold gives you 5½d. clear profit. Mr. REITH, Chemist, Culter, writes:—"I back

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against all comers, Virus included, as it gives to the **Seller** and user the best visible results." Get your share in this great rat war. Write for new Advertising Matter to—

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in large quantities already to various hospitals and to the Red Cross Society, but are anxious to give more.

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"SERVICE" FOOT POWDER.

A preparation composed of Boracic Acid and other Antiseptic ingredients, packed in smartly decorated tins, fitted with dredger tops.

X27 1½ x 2¼ ... 1/8 per dozen.
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 Empty, 7/- and 12/- per gross respectively.



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A high-class preparation, packed in elaborate round-cornered tins with dredger top.

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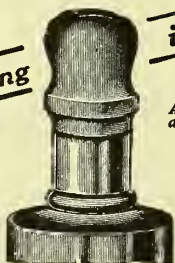
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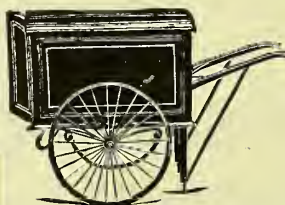
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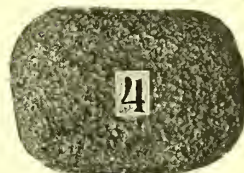
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INDEX and BUYERS' GUIDE

See pages 5 to 7.

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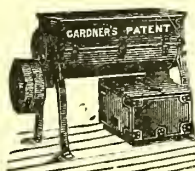
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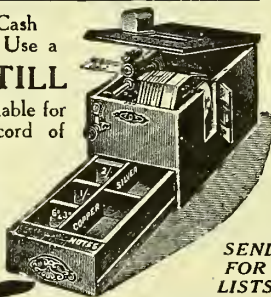
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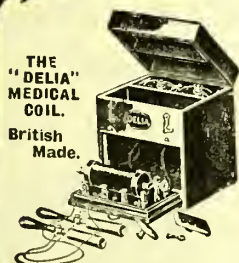
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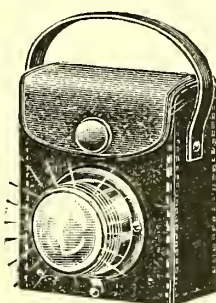
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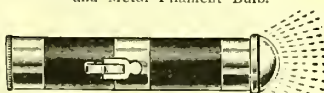
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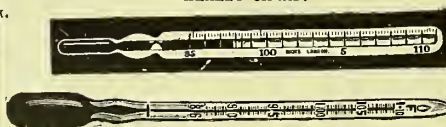
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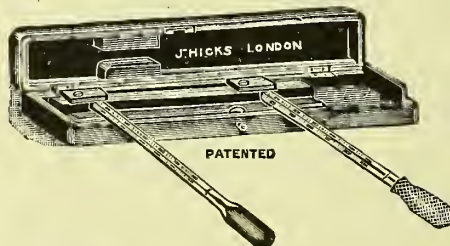


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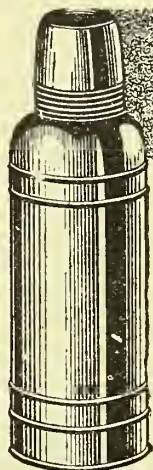
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The White Cross Tins can be had empty: 1d. sizes @ 2/9 per gross, 10 gross lots 2/6 per gross; 2d. sizes @ 4/9 per gross, net. They are specially reserved for Pharmacists, and purchasers of them empty must guarantee to fill with preparations according to the British Pharmacopœia where such standard is necessary, the purchase of same carrying with it an undertaking to this effect.

We also pack these Ointments in **Collapsible Tubes**. This is really the most sanitary and cleanly package possible. They are put up half-a-dozen in a folding hanging showbox, specially designed to prevent crushing.

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"	"	"	Flav....	6/6	...	14/-	...	2/-	...	3/-
"	Zinci	*8/-	Net	17/6	...	2/9	...	4/-
"	Acid Carbolic	7/9	...	15/-	...	2/6	...	3/6
"	Resinae	9/6	...	—	...	2/9	...	4/-
"	Sulphuris	9/-	...	—	...	2/9	...	4/-
"	Gallae	9/3	...	—	...	3/-	...	4/6
"	Hyd. Ammon.	9/-	...	—	...	—	...	—
"	Healing	6/6	...	—	...	2/3	...	3/3

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½ fl. oz. For use by surgeons, ambulance workers and nurses. Each product is issued in a wooden case.

Extract from the *Chemist and Druggist* of Nov. 14, 1914, page 36

"Iodine in Skin-Wounds.—The Paris correspondent of *The Lancet* . . . recommends the swabbing of wounds with tincture of iodine to secure asepsis. To be effectual the swabbing should be immediate, and this is best done by having the tincture in ampoules. . . . Messrs. Burroughs Wellcome & Co. some time ago introduced these here, each one being encased in cotton-wool and fabric, so that when crushed between thumb and forefinger the tincture saturates the casing, and it can thus be applied at once. Chemists should make business out of the idea."



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SUMMARY.

The first illustration we have seen of a war pharmacy is printed on p. 34.

Instructions for dispensing for dependants of sailors and soldiers are printed on p. 37.

The possibilities of trade with Japan in chemicals and drugs are well shown in the article on pp. 47-48.

This week's Roll of Honour includes Natal chemists and chemists' assistants who are on active service (p. 35).

The Home Secretary has, in the House of Commons, stated the position of the proprietor of sanato-gen, also that profits on the article will not be remitted to the proprietor during the war (p. 50).

The winter session is now in full swing. So far the Insurance Commissioners have provided the leading topic—stock mixtures. Meetings are reported on pp. 55-56, and some in the pages immediately preceding. See also p. 39.

Business is fairly brisk in chemicals and drugs. Cubebs, codeine, Persian galls, ipecacuanha, peppers, toluol, turmeric, shellac, turpentine, and Japan wax are dearer. Star-anise oil, Japanese mint oil, glucose, citric acid, cloves, and gentian are cheaper (p. 57).

Dr. Addison, M.P., now represents the Insurance Commissioners in the House of Commons (p. 50). We suggest that he should be questioned in regard to excessive prescribing by panel doctors, with the result that chemists are not paid in full (p. 43).

In a Supplementary Budget, introduced on Tuesday, the Chancellor of the Exchequer increased the beer-duty to 2s. per barrel (a penny per pint more), tea-duty from 5d. to 8d. per lb., and doubled the income-tax from December 1, 1914. These and other means for paying for the war are explained in an article on p. 46.

Six women have died in Bethlem Hospital through getting pure amylene hydrate in place of a draught. The dispensing was done by a medical man, and the opinion was expressed at the inquest that it was better to have a qualified chemist for the purpose than a doctor. "Most doctors," added Dr. Spilsbury, "are not good dispensers, their methods being different from chemists'." We endorse this opinion, which the Government authorities should give effect to (pp. 36-37).

European War.

Colours and Dyestuffs.—British chemical-industry is finding the war with Germany and her allies a blessing in disguise, as the following statement, which we have received from the Board of Trade, sufficiently indicates:

"The Board of Trade have had under consideration the question of the supply of dyestuffs and colours, the shortage of which at the present time, owing to the cessation of supplies from Germany, is causing great apprehension in the textile trades and in other important British industries. After consultation with the Committee on Chemical Manufactures, appointed in August last under the chairmanship of the Lord Chancellor, it appeared to the Board advisable to take such steps as were possible to develop the immediately available sources of supply, and also to encourage the permanent manufacture of dyestuffs and colours in the United Kingdom on a large scale, so as to guard against any recurrence of the present difficulty. As regards interim steps, arrangements have been made to encourage the immediate expansion of the various existing sources of supply. As regards the permanent supply, after preliminary consultations with representatives of some of the principal bodies of consumers, a meeting was held at the offices of the Board of Trade on Tuesday, November 10, which was attended by representatives of twenty-two important Associations and firms engaged in the colour-using industries. There was laid before the meeting a scheme for the formation of a limited company with a large capital, of which the bulk would be subscribed by the consumers of dyestuffs and colours and others interested, the Government indicating their willingness, conditionally on this being done, to subscribe a certain proportion of the share capital and to guarantee the interest on a large debenture issue for a term of years. Precautions would be taken to preserve the British control of the enterprise and to prevent undue encroachment on other branches of the chemical-trades. The meeting was informed that preliminary arrangements had been made enabling his Majesty's Government to acquire important dye-producing works in this country for the purposes of the new company if established, and that the Government would be prepared to take all necessary steps to secure the acquisition of any other concerns in the United Kingdom whose transfer to the new company might be desirable. The meeting unanimously adopted a resolution approving in principle of a national effort being made by the trade to increase the British supply of synthetic colours, and welcoming the assistance of his Majesty's Government for that purpose. A small Committee, representing the trades concerned, was appointed to confer with the Board of Trade with a view to the elaboration of a scheme on the lines discussed at the meeting. The first meeting of this Committee was held later in the afternoon. A further announcement as to the proposed company will be made at an early date."

Helping Belgian Pharmacists.

The Committee which has been formed with a view to assisting Belgian medical men and pharmacists who have lost their homes and means of livelihood through the brutality of the German invaders has issued an appeal for subscriptions. We referred to the formation of this Committee last week (p. 49), upon which pharmacy is represented by Mr. W. J. U. Woolcock, Registrar of the Pharmaceutical Society. Most people in this country have been able to obtain first-hand evidence of the devastation that has been brought about in a country whose only crime is that they trusted "the word of a Prussian king." Lest, however, any reader should not have had it brought home to him, we append an extract from a communication by Professor C. Jacobs, of Brussels, which should do so to all who have human feelings:

"Is it realised what we in Belgium have suffered and are suffering? Duty, and duty only, has bound our doctors and pharmacists to their posts in the devastated localities: some of them are carrying on their profession in the ruined remains of destroyed buildings, whereas others have to improvise at haphazard any kind of shelter for their Samaritan work. Need I describe the manner in which they sustain themselves and how they manage to nourish their wives and children? I have witnessed such misery among them! Some have had to work as navvies in order to have a few pence in their pockets; others have told me that they had not seen bread for a fortnight, but had lived exclusively on potatoes. Others had a meagre bunch of

B

straw laid on the bare ground as a bedstead; the only pair of boots owned by one of them was falling to pieces in tatters. Men I have seen were dressed in torn garments, and their children were in rags. One of my colleagues had to live on wayside herbs for three days and three nights, and his wife shared his fate! A Professor of a University, bereft of everything, was, when I saw him, in dire want of a bed, and another of equal academic standard was wandering haggard over the countryside, searching in vain for a beloved family. And some of our ranks have been taken as hostages, others have been shot, and their widows and orphans have been left deprived of everything."

It appears that at least 1,000 doctors are absolutely poverty-stricken, and that at least 300 pharmacists are unable to earn their living; and of the rest of the 1,800 pharmacists in the country, all, with very few exceptions, are deprived of the necessary trading stock. The Secretary of the fund is Dr. H. A. Des Vœux, 14 Buckingham Gate, London, S.W., and subscriptions from pharmacists which are sent to Mr. W. J. U. Woolcock, 16 Bloomsbury Square, London, W.C., will be utilised to the best advantage of distressed pharmacists in Belgium. One method of relief that is to be adopted at once is to despatch to Belgium, in portable form, packets of medical and pharmaceutical material. These packets will be made up by Messrs. Burroughs Wellcome & Co. in accordance with an approved list, and will be conveyed to Belgium upon advice received from the American Ambassador and Mr. L. Hoover, the Belgian Minister, the manager of Messrs. Harrods, Ltd., and Major Gordon.

Our Wounded in France.

The medical correspondent of "The Times," whose graphic accounts of the army medical arrangements in France have already been referred to in these pages, in a further despatch from Northern France, dated November 10, describes the new hospital train which has been built by the Great Eastern and the London and North-Western railway companies for the carriage of the wounded. This train includes a well-arranged operating-room where urgent dressings may be performed, and a pharmacy with a complete set of drugs, dressings, and other appliances. Referring to a visit to the Base Hospital at the Casino, Boulogne, the writer says:

"Sir Almroth Wright has recently come to Boulogne, and presides over the bacteriological laboratory. His researches have already established the fact that the gangrene and septic conditions met with so frequently are due to micro-organisms, which flourish only when removed from the atmosphere. This discovery has had the most important bearing upon the surgical work of the hospital, because it has demonstrated the necessity of keeping all the wounds open and allowing the air to reach them. Wounds kept well open are found to heal most satisfactorily."

In this connection we note a communication to "The Lancet" on gangrene by Drs. Swan, Jones, and McNee, of the Royal Albert Hospital, Woolwich, who describe cases which were treated surgically, hydrogen peroxide and permanganate solution being used. The special correspondent of the "Morning Post," also writing from Belgium on November 14, states that the health of the troops keeps very good considering all the circumstances, and the hospitals have to report no general outbreak of any disease. The chief troubles are tetanus and gangrene resulting from wounds in the trenches. As to the treatment of gangrene, he says that hydrogen peroxide is the only reliable medicament, and manufacturers should take note that there cannot be too much of the peroxide sent to the Front; at present there is a general scarcity.

Prohibited Exports from Scandinavia.

The Danish Government has by a series of proclamations prohibited the export of petroleum of all kinds, benzine, vaseline, glycerin, antimony, surgical bandages and dressings (including tarred jute and hygroscopic cotton-wool), medicinal stores, drugs of all kinds, vegetable oils, etc. A revised list of exports prohibited from Sweden includes raw and purified glycerin, mineral oils and allied products, lubricating, animal, and vegetable oils, common salt, soya-beans, vaseline, etc.

A Pharmacy at the Front.

The Army Veterinary Corps has recently been receiving praise from various quarters on account of the valuable work that is being done by its members in caring for sick and wounded horses. The accompanying illustration shows



the pharmacy attached to the No. 7 Section of the Army Veterinary Corps. One of the party, who appears to have found a comfortable seat on the medicine-chest, says in a letter that he is "not far from England," so presumably these men are doing their share in the battle for the coast.

From the Fighting Lines.

Mr. Guy Murison, who represents Wander, Ltd. (*C. & D.*, November 14, p. 35), is progressing as favourably as can be expected.

Corporal H. J. Baker, of Messrs. Duncan, Flockhart & Co.'s London staff, who was wounded in the London Scottish action (*C. & D.*, November 14, p. 35), is making a fairly satisfactory recovery. He was shot through the leg, and the wound became septic; hence the necessity for bringing him home.

Mr. G. H. Zeal, thermometer-manufacturer, 82 Turnmill Street, London, E.C., informs us that one of his staff, H. Huxtable, was in the trenches with the Naval Brigade at Antwerp, and as he could get no tidings of Huxtable from the Admiralty, Mr. Zeal thought he had been killed. Huxtable has now written from Doeberitz, Germany, saying he is a prisoner and quite well.

Mr. A. Connan, formerly assistant to Mr. E. A. Holloway, Southend-on-Sea, is now serving with the R.A.M.C. in France, and in a letter home, dated November 6, he says: "I had my first baptism of fire weeks ago, and had a few narrow shaves of being 'despatched for further orders,' but that's only a detail compared with what I have seen and with what the poor inhabitants of this distressful country, never very flourishing at the very best of times, are going through at present. The quartermaster of this section and four others have been put out of action already, but sure that's what we have come out for, everyone of us to do our little bit in this great conflict. They are blazing away as I write this, but one gets accustomed to it. The 'Jack Johnsons' or 'Coal Boxes,' as our troops call them, are the very limit, no living thing is safe 'within a donkey's screech' where they fall. I do very little dispensing on the field, and that in tablet-form—mostly all surgical cases and operations; then we despatch them to a base hospital on ambulances, from whence they are conveyed to England. It seems like years since we arrived here; sometimes we are morning, noon, and night at it, then there is a lull for a day or two, and so on. All the German wounded we have treated are most anxious for this war to end, and are thankful to be prisoners; some of them are mere lads of sixteen years. . . . Good-bye, and cheer up, we shall soon be in Berlin."

Mr. W. H. McCallum, manager of the Lombard Street branch of Allen & Hanburys, Ltd., has received a letter from Mr. Walter C. Black, one of the staff in the branch, who was in the charge of the London Scottish at Messines, in Belgium, on October 31. Mr. Black wrote:

"I am quite safe. Poor Morrison is wounded, whether seriously or not I am unable to say. We had rather a rough time while it lasted, but, judging from the praise

which various Generals, from French downwards, have been pleased to pour upon us, we must have done very well. The price has been very heavy, though not so high as one would expect from the hail of lead and shells. When we advanced the 'Jaek Johnsons' simply rained over us. They make huge holes 6 ft. deep and about 8 ft. to 10 ft. across; all the grass round about is burned and seared, and anything they strike is completely demolished. We had to lie under this for six hours till they eased off. We then fixed bayonets and prepared for the attack. It was not long in coming, and when it did there was no mistaking it. There was whistling, blowing of horns, yelling, and even a band playing; add to this the shrieking of pigs being burned in a farmhouse opposite. There were several farmhouses on fire, and the place was a regular inferno of sounds and lights. The attack swung backwards and forwards, some using the bayonet and some shooting. Ultimately it cooled off, and they left us in possession of the trenches till about six next morning, when they came up in hordes. We then got orders to retire, and had to do so under a perfect stream of lead from their infernal maxims. When we got back about a mile we re-formed with a lot of Regulars, who had been rushed up in motor-buses, and there we managed to hold them again. Another German rush was stopped, but at a fairly heavy price for the 'Scottish.' I cannot tell you more, as I expect it will be heavily censored, but it is not quite as the papers reported it. We have earned the gratitude of General French, who congratulated us on our performance. I must finish now, but if you hear anything of Morrison I would be delighted to know. . . . I myself am quite fit and well, and we are waiting for our next move. I have been over a good part of France, fought in Belgium, and am now back in France."

The Mr. Morrison referred to is Mr. J. C. Morrison, chemist and druggist, who hails from Dirloten, Haddingtonshire. He has been with Allen & Hanburys, Ltd., for some years.

Pharmaceutical Roll of Honour.

Non sibi sed patrie.—CICERO.

TENTH LIST.

CULVERWELL, R. C. (lately with Mr. H. J. Parsons, chemist and druggist, Ilminster), R.A.M.C.

GRIFFITHS, J. W. (lately with Messrs. Blain & Hankinson, pharmaceutical chemists, Manchester), R.A.M.C.

HAYES, G. W., chemist and druggist, Leeds., R.A.M.C.

HILL, Harold Arthur (apprentice with Ballard & Co., chemists and druggists, Faringdon, Berks), 4th Batt. Oxford and Bucks Light Infantry.

HUTCHINGS, Trooper Ernest A. (lately with Messrs. Gilbert & Hall, chemists and druggists, Bournemouth), West Somerset Yeomanry.

INGE, Edward Gane, chemist and druggist, Mundesley-on-Sea, Norfolk, Queen Mary's Own Surrey Yeomanry.

MUTTGENS, Sergt. C. H. (with Mr. G. H. Zeal, Turnmill Street, London), 19th London Battery.

SIMONS, F. H. (lately with Mr. F. Rogers, chemist and druggist, Reigate), Royal Bucks Hussars (Yeomanry).

WENMOTH, L. J. (lately with Mr. H. J. Parsons, chemist and druggist, Ilminster), West Somerset Yeomanry.

WHITE, Richard Pycroft, chemist and druggist, son of Mr. W. Everard White, chemist and druggist, Gainsborough, R.A.M.C.

WILSON, Second Lieutenant, C. A., son of Mr. W. A. Wilson, of Decastro & Wilson, 80 Lamb's Conduit Street, London, W.C., from London University O.T.C. to East Surrey Regiment.

The following chemists and chemists' assistants from the Durban district are on active service in South Africa:

DURBAN GARRISON ARTILLERY.—Drivers Dalton and Lunnis.

DURBAN LIGHT INFANTRY.—Privates Bowden, Champion, Dawber, Hobkirk, Lazarus, Patrick, and Tuft.

NATAL CARBINEERS.—Trooper Field.

NATAL LIGHT HORSE.—Trooper Ricketts.

NATAL MOUNTED RIFLES.—Trooper Jessop.

ROYAL NAVAL VOLUNTEER RESERVE.—Seamen Grant and Hagens.

SOUTH AFRICAN MEDICAL CORPS.—Sergt.-Major Skelton, Staff-Sergts. McGonegal and Pauley, Privates Ball, Brooks, Jackson, McLaren, Richards, and Sunn.

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Personalia.

Mr. R. Carnelly Walshaw, speaking at Huddersfield last week on trading with the enemy, urged that when the war is over traders must see to it that an effective system of registration of foreign traders was adopted in this country.

The War Office has confirmed the death at the Base Hospital, Boulogne, on November 3, of Mr. Dudley Murison, son of Mr. John Murison. He was wounded in the head by shrapnel on October 31 during the first London Scottish charge. Mr. Murison has received a very large number of letters of sympathy from friends in the trade following upon our announcement of the death, and desires to thank all who have so written to him.

Miscellaneous.

A chemist's shop, from which prisoners may purchase such medicaments as they desire, is open daily in the camps for German and Austro-Hungarian prisoners of war in this country.

Messrs. Burgoyne, Burbidges & Co. have presented 500 lb. of chloroform to the French Red Cross Society, in response to an appeal made for anaesthetics for use in the military hospitals in France.

Some difficulty is being experienced in filling all of the many vacancies caused in wholesale houses by reason of members of the staff having joined his Majesty's Forces. Messrs. Burgoyne, Burbidges & Co., East Ham, are among those who have positions still open for laboratory hands.

WAR PRICES IN SWITZERLAND.—The "Schweiz. Apoth. Ztg." states, in a report on the prices of medicaments, that, in comparison with the prices on July 1, iodine has advanced 200 to 300 per cent.; thymol, 90 per cent.; carbolic acid and morphine salts, 60 per cent.; camphor, 50 per cent.; codeine, 40 per cent.; castor oil, bismuth nitrate, ether, and salicylic acid, 30 per cent.; balsam of Peru, 25 per cent.; iodoform, potassium iodide, and oil of theobroma, 20 per cent.; glycerin, 15 per cent.; acetylsalicylic acid, borie acid, citric acid, soluble aluminium aceto-tartrate, amidopyrin, calcium glycerophosphate, and quinine salts, 10 per cent.

Pharmacy in Austria-Hungary.

AUSTRIAN PETROLEUM-REFINERIES are reported to be working fully.

RUBBER-MANUFACTURERS in Austria-Hungary have raised their prices for rubber goods by 50 per cent. on account, it is said, of the increasing scarcity and dearness of the raw material.

ECONOMY IN MEDICINES.—A second ministerial decree has been issued regarding the shortage of medicines in Austria, indicating that such shortage is serious. The "Pharm. Post" protests against this as being prejudicial to the interests of retail and wholesale pharmacists, and certain wholesale houses have also protested, saying that no shortage of any medicament need be feared unless the war should last very long.

THE INFLUENCE OF WAR ON PHARMACY is the great feature at present in the Hungarian pharmaceutical papers. It appears that the business of pharmacy in country places has dwindled to insignificant proportions, and that the profits are insufficient to pay the salary of a *locum tenens* for owners who have gone on military service. To prevent the closing of these pharmacies the Verband der Konditionierenden Pharmazeuten Ungarns has undertaken to provide qualified substitutes, and has already filled seventy-eight positions. There are, however, many other cases in which the minimum salary cannot be paid, and in these cases the Association has appealed to the Home Department for assistance out of war relief funds. A pharmacist's wife, who desired to continue her husband's business with the help of an apprentice and the supervision of a local physician, has been refused permission, as that would be contrary to the law.

News of German Pharmacy.

WAR FUND.—The Deutscher Apotheker Verein up to October 31 had contributed 10,485m. towards the expenses of the war.

FENNEL OIL is being used in the German army as a preventive of vermin. A few drops of the oil is added to the water in which clothes are washed.

GLYCERIN MANUFACTURE.—The Association of German soap-manufacturers states that, with a view to increasing the supply of glycerin, fatty acids are being employed in soap-making. It is added that this will not lead to a lowering of the price of glycerin, as the stocks are limited. Any kind of soap is saleable at present, adds the circular.

J. D. RIEDEL A.G., BERLIN.—It is reported that this company has been hard hit by the war, as the bulk of its business was export. Considerable sums of money are owing to the company from England and Russia. No workmen have been dismissed owing to the war, but the working-hours have been reduced. The works are busy on army contracts.

EXPORT PROHIBITIONS.—The prohibition of the export from Germany has been revoked as regards the following articles: White-lead, zinc-white, dyestuffs, ink, lead pencils, chalk, microscopes, and methyl and ethyl chlorides in tubes. The "Kaiserliche Statistische Amt" publishes a list of goods regarding which the exportation or withdrawal has been announced.

THE BROTHERHOOD OF SCIENCE.—Professor Arnold, of Hanover, who has written a book on chemistry, has stipulated that the translation which is being published in New York shall not be sold in England or the British Possessions. The rights of translation into Japanese have also been withdrawn because of the ingratitude to Germany, from whom the Japanese obtained all their science.

SALVARSAN.—The German papers are still harping on the fact that the British Government has granted a licence to Burroughs Wellcome & Co. for the use of the salvarsan patents. The controversy has now degenerated into an attack on Burroughs Wellcome & Co. and on British-made chemicals and pharmaceuticals in general. German pharmacists are being urged to destroy their stocks of British goods—advice which, we venture to think, will be disregarded.

THE FOOD QUESTION.—Whether peace can be forced on Germany by starvation is discussed in the "Pharm. Zeitung." Wheat, it appears, is scarce, but the potato-harvest has been very abundant, and instead of making spirit the potatoes are to be eaten. The quantity of meat consumed in Germany, which is stated to be larger in proportion than any other country, must be reduced, but with plenty of potatoes starvation need not be feared.

SURGICAL DRESSINGS are in short supply in the country, and the demand is increasing enormously. The Government and the manufacturers of dressings have conferred as to the situation and as to the employment of substitutes for cotton-wool, such as wood cellulose. The disadvantage of wood cellulose is that it cannot be used directly on wounds. It is thought that supplies of cotton-wool can be obtained from the United States in exchange for aniline dyes, which are to be conveyed in American ships.

DRUG SCARCITY.—Caesar & Loretz, Halle, state in "Herbstbericht" that for several overseas drugs the prices have enormously advanced. Famine-prices are at present asked for coffee, tea, pepper, cloves, Ceylon cinnamon, opium, senega-root, hydrastis-rhizome, mastic, etc. It is added that importation by way of the neutral countries will soon be possible, so that lower prices can be expected. This firm has also begun again to publish the "Jahresbericht," the October number being devoted to a paper by Dr. Fromme on alkaloidal assay.

CORNER FOR STUDENTS.

Conducted by Leonard Dobbin, Ph.D.

All communications for this section should be addressed thus: "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

QUALITATIVE ANALYSIS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopoeia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, November 24, on which day the samples will be posted.

Students' reports will be received up to Saturday, December 5. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the second exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact must be attested on their reports.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

The premises of Mr. J. J. Downward, chemist and druggist, Market Street, Ulverston, have been considerably damaged by fire.

An explosion, followed by a fire, occurred on November 7 in the basement of the premises of Boots, Cash Chemists, Ltd., Bridge Street, Evesham.

The Christmas course of juvenile lectures at the Royal Institution will be delivered this year by Professor C. V. Boys, F.R.S., his title being "Science in the Home." The first lecture will be on December 29.

On November 11, the stock and fittings of the business formerly conducted by Mr. Jacob H. Mitchell, chemist and druggist, at 932 Manchester Road, Bradford, were sold by auction by Messrs. Halley & Bairstow.

The works of Read Holliday & Sons, Ltd., St. Andrew's Road, Huddersfield, were visited on Friday, November 13, by a military officer from York and a number of police officers, who impressed, for Government use, about a ton of di-methyl aniline.

The report that the South Metropolitan Gas Co. is erecting a factory for the production of synthetic dyes is, we are officially informed, incorrect. The company has simply arranged to manufacture certain intermediary products required in the manufacture of dyes.

Eleven persons have lost their lives during the past week as a result of taking poisons. In nine cases the poison was taken accidentally. The substances implicated were amylene hydrate (6) (see below), belladonna liniment (1), carbolic acid (2), chlorodyne (1), and opium (1).

The Council of the Liverpool Chamber of Commerce has appointed a small committee to collect evidence as to the effect of the Excise restrictions upon the use of alcohol in the preparation of drugs, dyes, and for other industrial purposes, with a view to making representations to the Government.

The annual meeting of the Owners of Proprietary Medicines Section of the London Chamber of Commerce was held on November 19. Among the business considered was the report of the Special Committee appointed to make recommendations regarding the report of the Select Committee on Patent Medicines. Sir Joseph Beecham, Bart., was re-elected Chairman.

Poisoning with Amylene Hydrate.

At Bethlem Hospital, London, on November 13, Coroner F. J. Waldo, M.D., held an inquest on the bodies of Mary Alice Baker (57), Mary Berger Stephenson (46), Mary Emily Heather (34), Violet Ella Lamprière (21), and Florence Beaton (39), each of whom died from the effects of an overdose of amylene hydrate, a sedative drug. Dr. J. G. Porter Phillips, medical superintendent of the hospital, said that owing to the war the medical staff had been seriously depleted. The second medical officer, the two house surgeons, and the steward had all been called up for service. Consequently, the dispensing had to be done by one of the medical staff. Dr. H. T. Jones, who acted as dispenser, said that on November 8, when making up the draughts, he found the bottle which usually contained dilute amylene hydrate empty, and he supplied the draughts from another bottle, which he assumed contained a reserve stock, but which, in fact, contained the concentrated drug. Eleven of the patients got the draught; of these, four had quite recovered, and two others were still in danger, but he was hoping they would recover. Dr. Phillips, recalled, said it might be better if they had a proper dispenser. He had thought of the matter, but had never made any representation to the governors. Dr. Bernard Henry Spilsbury, pathologist at St. Mary's Hospital, who made a *post-mortem* examination in each of the five cases, stated that the deaths were due to heart-failure following the administration of amylene hydrate. He had been unable to find any recorded case of death from the effects of the drug. He

thought it was most desirable that an institution like that should have a regular dispenser; it was better to have a qualified chemist for the purpose than a doctor. Most doctors were not good dispensers; their methods were different from chemists'. Mr. Ernest Pollock, K.C., who appeared for the Corporation of London, the governors of the institution, said the governors deeply regretted this misfortune. Dr. Jones also regretted it exceedingly, and wished to take any responsibility, if there was any, that ought to be fixed upon him. The jury returned a verdict of "Death from misadventure" in each case.—Another death, that of Maria Servante (63), has since taken place, and at the inquest on November 17 a similar verdict was returned.

Birmingham.

There is at present an epidemic of measles in the city.

The Photographic Society are holding their exhibition at Exchange Buildings, New Street. The "Survey" is well represented.

There is a considerable demand for apprentices in pharmacy, dentistry, and analytical chemistry as shown by the columns of the local Press.

A dental surgery, under the direction of Mr. H. Pass, a duly qualified dentist, has been established over Mr. Johnson's pharmacy at Stirchley.

Leeds.

The new Lord Mayor, Mr. James E. Bedford, replying to a welcome extended to him on his first appearance on the City Bench as Chief Magistrate, on November 16, said that only the day before he had come across the apprenticeship deed of his grandfather, who was articled to a Briggate chemist in 1810. He might therefore claim that his family had been associated with the chemical industry of Leeds for more than a century.

Manchester.

A well-known firm of photographic dealers in the centre of the city have a card in their window, "Hypo, 2d. lb.; 7 lb. for 1s. Best British Make," and a pile of the chemical loose and in 1-lb. packets. Only a few weeks ago this could not be bought at less than 4d. per lb.

The demand for qualified dispensers has been reduced owing to the war. Although a number of dispensers have joined the Army, the decline in the drug-trade is pretty severe in Manchester and district, and many chemists are inclined to work longer hours to save the assistant's wage.

Many chemists are making seasonable window-shows, extract of malt and oil, influenza and cough remedies being predominant in one neighbourhood, while others have shows appealing to those who are buying gifts for the wounded at the various hospitals. One chemist sold five hot-water bottles one day last week for presents for patients at a hospital close at hand.

Professor Van de Walle, one of Belgium's leading organic chemists, and his wife, children, and father (a Belgian member of Parliament) and mother, are now in Manchester, and in all probability will live in a house provided for them by the Manchester University. A small party of refugee students of Belgian Universities are residing in the University Athletic Union's Pavilion, Fallowfield.

Sheffield.

Boots, Cash Chemists, Ltd., are making the various forms of diaries for 1915 the principal display in each of their branches.

The local Insurance Committee at their last meeting passed a resolution expressing their appreciation of the action of the chemists in undertaking free dispensing for the dependants of soldiers and sailors on active service.

The results have been issued by the Public Health Committee of the investigation of atmospheric pollution for July. A new apparatus has been adopted, of which four sets were in use. These gave an average result of 12.86 metric tons of solids per square kilometre (a metric ton per square kilometre is equal to 9 lb. per acre, or 2.56 English tons per square mile). The impurities

included tar and other carbonaceous products, earthy matter, fuel, ash, etc.; also sulphates, chlorine, and ammonia. The figures for other areas vary from 2.47 in Malvern to 24.30 in Birmingham. The analysis in Sheffield was carried out by Professor Palmer Wynne, of the University.

Royal Society Medals.

The following awards of medals have been made by the Royal Society: Royal Medals to Professor Ernest W. Brown, F.R.S., for his investigations in astronomy, chiefly in the lunar theory, and to Professor William J. Sollas, F.R.S., for his researches in palaeontology, especially in the development of new methods; the Copley Medal to Sir Joseph Thomson, for his discoveries in physical science; the Rumford Medal to Lord Rayleigh, for his researches in optics; the Davy Medal to Professor William Jackson Pope, for his researches on stereochemistry and on the relations between crystalline form and chemical constitution; the Darwin Medal to Professor Edward B. Poulton, for his researches in heredity; and the Hughes Medal to Professor John S. Townsend, F.R.S., for his researches on the electric behaviour of gases.

Municipal Honours.

The following appointments have been notified to us:

Major C. E. Dyson, J.P., V.D., for many years manager of the Flint chemical-works of the United Alkali Co., Ltd., has been re-elected Mayor of Flint.

Colonel W. F. Wyley, of Wyleys, Ltd., manufacturing-chemists, has been re-elected for six years an Alderman of the city of Coventry.

Dispensing for Dependants.

The Pharmaceutical Society has now completed the necessary arrangements for dealing with all matters connected with this undertaking, and has issued the following instructions, which it is desired that pharmacists will observe:

Receipts.—Each prescription must indicate on the form exactly what has been dispensed.

Ambiguities.—When syrup or mucilage is ordered q.s. and in other similar instances, the quantity supplied should be filled in.

Formulae.—Where mixtures are ordered by short title the formulae must be written in full, unless published in some standard book of reference.

Proprietary Preparations.—Full information must accompany these.

Lozenges.—When ordered by number, weight should be given. Troch.—36 = 1½ oz.

Containers will be provided by the patient.

Dressings.—Where lint, etc., is ordered by area the weight should be added. In the case of bandages the quality, width, and number should be clearly stated.

Prescriptions must bear: (1) Doctor's signature; (2) patient's name; (3) name and full address of chemist; (4) date. The prescriptions should be despatched at the beginning of each month to the Secretary, Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., and should be plainly marked "Dependants' Prescriptions" on the top left-hand corner of the wrapper.

Payments.—These will be in the ordinary course of events monthly, but wherever desired by special arrangement they can be made weekly. It is expected that the first payment will be made early in December.

Contracts for Drugs, etc.

The following contracts have been settled:

Ashby-de-la-Zouch Guardians.—J. Richardson & Co., Leicester, for drugs for six months (10 per cent. off list prices).

Hemel Hempstead Town Council has decided to allow Mr. J. Roberts to charge cost price for disinfectants supplied under his contract, owing to prices having risen on account of the war.

India Office.—Cuxson, Gerrard & Co., Ltd., Oldbury, for bandages; Robinson & Sons, Chesterfield, for gauze; C. Tennant, Sons & Co., Mincing Lane, E.C., for soda.

Marylebone Guardians.—Corbyn, Stacey & Co., Ltd., for a fortnight's supply of drugs (21/); S. Maw, Son & Sons, for a fortnight's supply of druggists' sundries.

Post Office.—J. Houghton & Sons, Bartholomew Close, E.C., for beeswax.

The medical officer of health for Tottenham reported to the Public Health Committee that, owing to the war, the

price of formalin has greatly increased, and he had only been able to obtain a supply of 5 gals. from America, through Messrs. Adcocks, at 6s. 11d. per gal., compared with the contract price of 3s. 6d. per gal.

Guardians' Doings.

Paddington Guardians have been recommended to pay Corbyn, Stacey & Co., Ltd., 10l. 3s. 9d., representing increased charges for drugs.

Wrexham Guardians have decided to equip their infirmary, where 100 wounded Belgian soldiers are lying, with an x-ray apparatus at a cost of 250l.

Hammersmith Guardians have reported to the Local Government Board that, through the death of Mr. J. Metcalfe, the position of dispenser at their dispensary is vacant.

Lambeth Guardians have agreed, on the recommendation of the medical officer of health, to pay a claim by the British Drug Houses of 7l. 19s., being extra charges for certain items, now increased in price, supplied to the central drug-stores.

Southwark Guardians, who submitted the accounts of their drug contractors to the Board of Trade asking whether the increased prices were reasonable (*C. & D.*, November 7, p. 37), have been referred to the trade journals for the market prices of the items.

Wandsworth Guardians, on the recommendation of the Finance Committee, have decided, subject to the approval of the Local Government Board, that all moneys received by their dispensers at St. John's and St. James's Infirmary for Insurance Act dispensing shall be paid over to the Treasurer of the Board, and that the salaries of the dispensers, Mr. H. C. Thomas, chemist and druggist, and Mr. W. E. Kinsman, chemist and druggist, be increased 25l. per annum each, to compensate for the loss of dispensing-fees.

From Various Courts.

At Lambeth Police-court on November 13, Erich von Springborn, described as a chemist, St. Michael's Road, Stockwell, London, was sentenced to six months' imprisonment for failing to register himself as an alien enemy.

An inquest was held on November 13 by the Portsmouth Coroner respecting the death of a child, aged five months, due to the teat and indiarubber tube of a feeding-bottle passing down its throat, owing to the guard becoming detached.

At West London Police Court on November 14, Harold Charles Edward Harrison, a dispenser, was committed for trial at the Central Criminal Court on the charge of giving false certificates of death and with committing perjury while giving evidence at inquests. (*C. & D.*, November 14, p. 38.)

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Pharmaceutical Society of Ireland.

An advertisement appears in the Coloured Supplement for candidates for the post of examiner for the Preliminary examination, which is now vacant.

Brevities.

The North of Ireland Chemical Co., Ltd., has sent 50l. to the Belfast Auxiliary of the Prince of Wales' Fund.

Alderman Wm. McCarthy, Ph.C., Dublin, who has undergone a severe operation, is progressing favourably.

George A. Deans, son of the late Mr. G. A. Deans, Ph.C., Belfast, has been elected to a vacancy in the Irish Masonic Orphan Boys' School.

Mr. P. J. D. Fielding, pharmaceutical chemist, Patrick Street, Cork, has been elected a member of the committee of management of the Cork Chamber of Commerce.

At the last meeting of the Cork Board of Guardians a motion to rescind the resolution appointing Mr. O'Sullivan compounder at 50s. a week, on the ground that the doctors did this work when the patients in the workhouse were more numerous than at present, was lost by 33 votes to 16.

Messrs. Boileau & Boyd's circular-letter regarding the increased cost of drugs owing to the war came before the recent meeting of the New Ross Guardians, when the Clerk said that the price-list showed that the cost of certain medicines had risen 100 per cent., and in some cases 200 per cent. The matter was left over till March.

The Local Government Board have written to the Castlereagh Board of Guardians that the expenditure for medicines and appliances at the Ballaghaderreen, Frenchpark, and Loughglynn dispensaries is too high in proportion to the number of patients treated. The Guardians agree with the doctors that the number of tickets issued does not represent the actual number of patients treated.

Business in Drugs and Chemicals.

The annual report on the imports and exports at Irish ports during the year ended December 31, 1913, just issued by the Department of Agriculture for Ireland, shows that the total value of chemicals, drugs, fertilisers, and dyestuffs imported in 1913 is estimated at 1,320,161l., as compared with 1,337,079l. in 1912. In the case of drugs and chemicals, states the report, goods of this class are frequently sent in small consignments, and the figures submitted in the tables, both of quantity and value, are in all probability considerably lower than the actual quantities and values imported. The import of artificial fertilisers is placed at 776,504l., and of dyestuffs at 52,102l.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Aberdeen and the North.

The Peterhead Public Health Committee has accepted the tender of Mr. James Simpson, chemist and druggist, Peterhead, for the supply of medicines to the hospital.

Mr. Joseph Milne, chemist and druggist, manager of the drug department of the Northern Co-operative Co., Ltd., Aberdeen, has been admitted a life manager of the Aberdeen Royal Infirmary.

Dr. Herbert G. M. Henry, Professor in the University of Sheffield, and a grandson of the late Mr. Andrew Henry, chemist and druggist, Macduff, has been appointed by the War Office for special service as bacteriologist with the British Forces in France. He is to serve with Colonel Sir J. R. Bradford, M.D., consulting physician to the Expeditionary Force.

Edinburgh.

"Alsace-and-iron pills" is the most recent demand of a topical character.

Councillor Inman has been appointed Convener of the Finance Committee of Edinburgh Public Library.

At a meeting of the Edinburgh Botanical Society on November 12, the President (Dr. R. Stewart Macdougall) lectured on "Plant Pathology," dealing particularly with the question of litigation in connection with plant-diseases.

Glasgow and the West.

Claims against the late Mr. Charles Chislett, chemist and druggist, Lanark, are to be lodged with Messrs. Morison & Smith, writers, Lanark.

Mr. Andrew G. Laidlaw, chemist and druggist, Lockerbie, has been elected Provost of the Burgh. Provost Laidlaw has been a member of the Town Council for nine years.

Mr. Isaac Hislop, chemist and druggist, has offered a prize to be competed for by the Golf Club. The competition will take place over Eastwood on November 24. The entry money is 1s., and the proceeds will be given to the War Relief Fund.

MR. ISAAC SHIMWELL McDUGALL, The Orchard, Hale, Cheshire, manufacturing chemist, who died on September 14, aged seventy-four, left estate of the gross value of 38,912l. 11s. 4d., of which 35,596l. 8s. 6d. is net personality.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

A GERMAN CRIME.—The name of the pharmacist shot by the Germans at Briey (*C. & D.*, October 17, p. 38) was M. Winsback.

WOUNDED IN WAR.—M. André Légier, pharmacist at the Lariboisière Hospital, Paris, after having fought unhurt as an infantry sergeant through the rearguard action from Charleroi to Vervins, was wounded at the latter place. He is reported as progressing favourably.

NAVAL PHARMACISTS.—A decree is published in the "Journal Officiel," by which all pharmacists holding the first-class diploma who are called to join the navy may be nominated "auxiliary marine pharmacists" for the duration of the war. They will have the rank and the pay of a first-class boatswain ("premier maître d'équipage").

POCKET MEDICINE-CASE.—Madame Iswolsky, wife of the Russian Ambassador to France, is presenting each officer on leaving the Russian Red Cross Hospital at Blanquefort, Bordeaux, with a pocket medicine "pharmacy" designed by M. Cavier, the pharmacist, and Dr. Woronoff, a surgeon, at the hospital. Each case contains potassium permanganate, tincture of iodine, paregoric elixir, quinine tablets, bismuth tablets, emetine, ergotine ampoules, cocaine, and morphine.

IODINE AS WOUND-DISINFECTANT.—Supplementary to the note in *C. & D.*, November 14, p. 36, I learn that Professor Delbet, of the Faculty of Medicine, recommended ampoules of iodine tincture made by M. Robert, a well-known Parisian pharmacist, to Baroness Henri de Rothschild, who declared herself willing to present 200,000 to the army. As soon as permission was obtained to supply these to the soldiers in the fighting-line, 6,000 were despatched daily, and it is hoped to increase the number to 25,000 daily. M. Robert has also devised a special temperature-chart for the wounded, arranged with figures to show the seat of the wound. These are forwarded free to hospitals.

TREATMENT OF TETANUS.—The subject of tetanus has been again discussed at the Academy of Sciences, a paper being presented by the Prince of Monaco in the name of Drs. Caillaud and Cornigioni, of Monte Carlo. At the Beausoleil Hospital two patients treated with anti-tetanus serum having died, these doctors resolved to try the Bacelli system in four other cases. Two of the patients received carbolic injections (1-per-cent.). The daily dose was first 40 c.c., increasing to 70 c.c., and then diminishing. Two other cases received the same treatment, and in addition intravenous injections of lantol (colloidal rhodium) in doses of 6 c.c. till danger was over. All four men recovered, fifteen to twenty days being required, according to the gravity of the case.

SHOWERPROOFING GARMENTS.—The question of rapidly waterproofing uniforms was studied by Aimé Girard and Baland in 1870. The aqueous solution of aluminium acetate which they recommended has, however, several drawbacks. It covered the metal buttons with verdigris, altered the shape of the garment, and reduced resistance to friction. M. G. A. Le Roy, head of the Rouen Municipal Laboratory, has submitted a new and improved process to the Academy of Sciences, which is not open to these objections. He proposes to dip the clothing into a solution of 5 to 10 parts of anhydrous wool-fat in 90 or 95 parts of petrol, the lanoline being first liquefied by a few cubic centimetres of chloroform, carbon bisulphide, or carbon tetrachloride. The Academy has requested M. Moureu, Professor at the Paris Superior School of Pharmacy, to examine and report on the new process.

SEQUESTRATION OF GERMAN PROPERTY.—M. Virgile Jeannin, Fontainebleau, has been appointed sequestrator of Merck's Chemical-works at Montereau. The manager (M. Gruschwitz) and the engineer (M. Weiss) were arrested when war was declared, the former holding the rank of major and the latter of lieutenant in the German army. The works comprise ten separate buildings, and are quite new: in fact, not yet entirely equipped. They are valued at 40,000*fr.*, and are situated but forty yards from the railway bridge at Montereau, an important junction, the Eastern and P.L.M. lines (the two railways running from Paris to the German frontier) communicating at this spot. The tanning-extract factory at Saint-Jean-du-Gard, near Alais (Edwin Levinstein, manager), has been similarly sequestrated, and a large number of Parisian firms have been the object of the same legal action—e.g., Holzmüller & Schmidt, Rue de Sévigné, Schimmel Bros., of Miltitz (near Leipzig), built, a few years ago, a lavender-oil distillery at Barrême (Basses-Alpes), with modern and improved plant. It was managed by a Cannes pharmacist, proved

a formidable rival to the small local distillers, and was even watched with anxious interest by the French perfumery firms at Grasse. M. Astruc, Procureur of the Republic, applied to the Civil Court of Digne (the capital of the Department) for an order of seizure. This was granted, and, according to the decree issued on September 27, the works, plant, and stock have been formally confiscated. M. Arnoux, Barrême, has been appointed controller of the sequestrated property. To these the "Frankfurter Zeitung" adds the Manufacture Lyonnaise, in Lyons, formed in 1885, the shares of which are mostly held by Leopold Cassella & Co., in Frankfurt a.M.

GERMAN "KULTUR."—The atrocities which Germans commit in Belgium and France have been excused in some



quarters as having been caused by drink. "Drunk all day long," is the report a *cure* friend gives me. The caricature which is reproduced here shows two German sots who have mistaken "limonade purgative" for more champagne.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, November 25.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 p.m. Sir William A. Tilden, F.R.S., on "The Supply of Chemicals to Great Britain and her Dependencies."

Association of Women Pharmacists, Gordon Hall, Gordon Square, London, W.C., at 8 p.m. Miss L. Champ on "Some Forms of Treatment other than Drugs," and Miss M. A. Boyes on "Homeopathy from a Pharmacist's Point of View."

Public Pharmacists' and Dispensers' Association, St. Bride Institute, Ludgate Circus, London, E.C., at 8 p.m. Mr. C. Edward Sage, F.I.C., Ph.C., on "Olive Oil."

Thames Valley Pharmacists' Association, Thames Valley Café, 40 Clarence Street, Kingston-on-Thames, at 3 p.m. General meeting.

Thursday, November 26.

Cheltenham and Gloucester Pharmacists' Association, Plough Hotel, High Street, Cheltenham, at 9 p.m. General meeting.

Sheffield Pharmaceutical and Chemical Society, Victoria Rooms, Day's Café, at 8 p.m. Whist-drive. Tickets (2*s.* each) from the Hon. Secretary. Proceeds to be devoted to the Lord Mayor's War Relief Fund.

Friday, November 27.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 8.30 p.m. Evening meeting and inaugural sessional address by Dr. A. Archibald Boon on "A Chapter in Applied Chemistry."

HULL PHARMACISTS' ASSOCIATION met on Wednesday evening, November 18, and adopted the following resolution: "We, the chemists on the Hull panel, protest against the injustice of refusing to pay our dispensing-fees. By this action our services are demanded without any remuneration whatever, without any guarantee that even then our accounts will be paid. We are not prepared to enter into any agreement for more than six months, unless we have a guarantee from the Committee that they will at least pay for what they are buying at their own price."

MARRIAGES.

Authenticated notices are inserted without charge.

GEDDIS—GUNN.—At Wandly Road U.F. Church, Bombay, by the Rev. Mr. Gray, Andrew Geddis, Bombay, to Jean Baikie, youngest daughter of the late Alexander Gunn, M.D., 44 George Square, Edinburgh.

HEATLEY—MCMURRAY.—At Keady Parish Church, on November 6, by the Rev. M. B. Hogg, M.A., rector, Robert Heatley, Ph.C., Ennis, co. Clare, to Susan, daughter of Mr. Samuel McMurray, Keady, co. Armagh.

O'SULLIVAN—O'CALLAGHAN.—At the Parish Church (St. Mary's), Newmarket, co. Cork, on November 14, John T. O'Sullivan, managing director of J. T. O'Sullivan & Co., Ltd., pharmaceutical chemists, to Jena, fourth daughter of Mr. and Mrs. John O'Callaghan, Clonfert, Newmarket.

Silver Wedding.

WHITE—PYECROFT.—At Mansfield Road Wesleyan Church, Nottingham, by the Rev. T. Nicholson, on November 13, 1889, William Everard White, chemist and druggist, Gainsborough, to Sallie, daughter of the late Mr. J. Pyecroft, Nottingham.

DEATHS.

Authenticated notices are inserted without charge.

HAHNEMANN.—At Tweed Mount, Ventnor, on November 12, Dr. Frederic L. R. S. Hahnemann, a grandson of the founder of homœopathy, aged eighty-eight.

KELLY.—At 16 South Richmond Street, Dublin, on November 11, Professor Patrick Kelly, Ph.C., proprietor of the Medical Hall, Portobello. Mr. Kelly was born in Kildare in the early fifties, and was taken to Dublin two years afterwards. He obtained his pharmaceutical experience with Anderson & Adams, Grafton Street, and with Messrs. Evans, Dawson Street, his term of assistantship at the latter pharmacy running to sixteen and a half years. He obtained the licence of the Pharmaceutical Society in 1883, shortly afterwards instituting classes in pharmacy, materia medica, chemistry, and botany, which were patronised by both medical and pharmaceutical students. When the School of Pharmacy of the Pharmaceutical Society of Ireland was founded in 1889 he was appointed a



PROFESSOR P. KELLY.

teacher, and on the death of Dr. Tichborne was chosen as Professor of Chemistry. In 1891 Professor Kelly opened a pharmacy in South Richmond Street, in the management of which he was assisted by his three sons. He was a man of high principles, which he carried out in his private life. The funeral took place on November 14 at Mount Jerome Cemetery. It was very largely attended, among those present being representatives of the Pharmaceutical Society of Ireland and many Dublin pharmacists.

KING.—On November 11, Mr. William King, Ph.C., 61 Trinity Street, Huddersfield, aged eighty-one. Mr. King, who was a native of Thornton Dale, served his apprenticeship in Hull, and went to Huddersfield as assistant to the late Mr. Henry Fryer. Ultimately he became a partner with Mr. Fryer, and carried on the business for some years after the latter's death. In 1897 he was joined in the business by Mr. R. C. Walshaw, and the firm became known as King, Walshaw & Co. Mr. King retired in 1901. He was held in high respect in Huddersfield.

ROBERTS.—At Menai Bridge, Anglesey, on October 27, Mr. Rees Roberts, chemist and druggist, aged thirty-nine.

SLACK.—At 27 Sandringham Road, Waterloo, on November 6, Mr. Joseph Kershaw Slack, chemist and druggist, formerly of Prescott, aged sixty-nine.

SMITH.—At 227 Commercial Road, London, E., on November 19, Mr. John Henry Smith, elder son of Mr. J. H. Smith, chemist and druggist, and Mrs. Smith, aged twenty-one. Mr. Smith was lately an apprentice with Mr. N. G. Beck, Burgess Hill.

TRADE NOTES.

C.L.O. EMULSION.—Messrs. Parke, Davis & Co., Beak Street, London, W., invite applications for their best terms and selling scheme for cod-liver oil (33-per-cent.) emulsion.

PEPS SHOWCARD.—Messrs. C. E. Fulford, Ltd., Carlton Hill, Leeds, offer a new showcard and fresh advertising matter for Peps. An idea of what the showcard is like can be seen from the advertisement in this issue.

RENZO RAZORS. which are being advertised in this issue by Messrs. R. Hovenden & Sons, Ltd., Berners Street, Oxford Street, London, W., are of English manufacture. The announcement also concerns two good lines in English-made tweezers.

BRITISH-MADE GREASE-PAINTS.—Messrs. Osborne, Garrett & Co., Soho, London, W., are now supplying British-made grease-paints and other theatrical sundries under the trademark "Ogee." Particulars are given in the firm's advertisement in this issue.

RAPHAEL TUCK & SONS, LTD., Moorfields, London, E.C., have produced a patriotic Christmas card to retail at 6d., each of which bears the stamp of the Prince of Wales' National Relief Fund. It is published and sold entirely for the benefit of that Fund.

RED CROSS REQUIREMENTS.—The H. K. Mulford Co., whose agents in this country are Messrs. Thomas Christy & Co., Old Swan Lane, London, E.C., refer to the serums, antitoxins, and dry surgical dressings which they produce. These are in demand for Red Cross and field ambulances.

ELECTRIC LAMPS.—Messrs. Millard Bros., Ltd., 123 Houndsditch, London, E.C., have issued a war edition of their catalogue of electric pocket-lamps, batteries, and other electrical apparatus. There are shown many varieties of lamps and an attractive series of showcases containing a selection of different lamps.

THE PATRIOTIC LABEL used by C. J. Hewlett & Son, Ltd., Charlotte Street and Curtain Road, London, E.C., is represented in the annexed engraving; the original measures 2½ in. by 1½ in. The label, or poster-stamp, as some prefer to call such, is printed in colours—i.e., the flag in red, white, and blue, and the body of the label in grey. It has been used by the company during the past month with good effect.

THE MELLIN'S National Relief Food collecting-box, which Mellin's Food, Ltd., Stafford Street, Peckham, London, S.E., are sending to chemists on application, is a simple, but effective idea, and chemists who have not got one should see that they do. The box is a facsimile of the food-tin with a slit in the top, but the words "Mellin's Food Collection" are the only reference to the food.

BABY-POWDER.—Shirley Brothers, Ltd., Whitecross Works, Rockingham Street, London, S.E., are offering "Whitecross" baby-powder, a well-compounded and nice preparation to use. It is neatly put up in khaki-coloured dredger tins, the lettering being in chocolate, white, and red. The retail price is 6d. P.A.T.A., and the wholesale prices are 1-doz. lots, 4s.; 3-doz. lots, 3s. 9d.; 6-doz. lots, 3s. 7d.; and gross lots, 3s. It thus affords the retailer a good profit.

A PATRIOTIC ADVERTISING CLOCK.—Regal Service, 229 West Green Road, London, N., have materialised a novel idea for the display of goods in shops. As working models are not readily obtainable at present, Regal Service have had a clock placed in the centre of a patriotic design. The clock rests on a lion, on the top of which stands Britannia, and at either side are a marine and a soldier, with Dreadnoughts in the background. "British Goods Defy the World" is the legend upon the design, and eight spaces in the margin are for trade advertisements. The whole is placed in a suitable frame, and is certainly an attractive and striking object. In London this patriotic advertising clock is being lent free to chemists and others who agree to place it in a prominent position in their windows for a period of thirteen weeks. It has not been possible to make the same arrangement for the provinces, therefore Regal Service are supplying the patriotic clocks to provincial chemists at 10s. 6d. each, the advertising spaces being left blank so that each chemist may use what advertising material he chooses in the spaces. The whole of the profits obtained from distribution of the clocks in the London



area are to go to the Prince of Wales' Relief Fund, and half of the profits obtained from the provincial service will also go to the Fund.

CORBYN'S BRITISH EAU DE COLOGNE, offered by Messrs. F. Schutze & Co., Ltd., Caledonian Market, London, N., is put up in nice distinctive style, as may be judged from the annexed engraving, which represents the 1-oz., 2-oz., and 4-oz. bottles. The label is a good design printed in reddish-brown ink, and the ribbon which secures the cork-screw round the neck of the bottle is brown silk. The eau de Cologne is obtainable either single-distilled or double-distilled, and it may also be had in bulk. They are placing it on the P.A.T.A. list. We have also received from them an interesting communication regarding powder-puffs, as to which they are well placed.



"LYSOL" EVANS is a new "All-British" antiseptic solution manufactured by Evans Sons Lescher & Webb, Ltd., London and Liverpool, who invite chemists to apply to them for special agencies. It is put up in 4-oz., 8-oz., 16-oz., and 32-oz. amber glass bottles (ovals) and in 1-gal. tins, and shows good profit to chemists who handle it. The company are prepared to help chemists in the matter of free samples for medical men, and in making this "Lysol" familiar to the public.

ENCOURAGING BUSINESS.—Messrs. Ayrton, Saunders & Co., Ltd., 34 Hanover Square, Liverpool, have sent us a selection of a new series of showcards, which they are supplying gratis with various packed goods. These include showcards for the "Fleet" cod-liver-oil emulsion, complexion-wax, hair prescription, pine concentrate, ginger-wine essence, carbolic tooth-powder, and cream of oatmeal. The showcards are in the modern style—that is, concise particulars are given as to the advantages and uses of the various preparations. Some of the cards have illustrations, but where this is not the case there is such cleverness shown in displaying the type that a good effect is conveyed in all cases. The wording has been devised, we are informed, by an advertising expert who has an intimate knowledge of pharmacy, which accounts for the appropriateness of the sentiments expressed. We have further received a sample of the cream of oatmeal which is advertised on one of the cards. The cream, which is put up in earthenware pots of artistic design, is delightfully perfumed, and should give satisfaction to the public.

A PATRIOTIC PICTURE ("The Toast is 'Britain'"), by Mr. Fred Roe, R.L., was hung on the line at this year's Royal Academy. It is a Nelson picture, the scene being a banquet at which Britain's most famous Admiral was present, and the picture shows him as he rose to receive from Sir Benjamin West's hands the loving-cup. Wright, Layman & Umney, Ltd., Southwark, have been fortunate in securing the picture for reproduction, which they have done in the same artistic and finished manner as "Oranges and Lemons." They are offering copies of the reproduction, measuring 33 in. by 27 in., to purchasers of Wright's coal-tar soap, twenty-four wrappers with 6d. (to cover postage) being all that they ask the public for a copy of the work. Messrs. Wright, Layman & Umney include a monochrome engraving of the picture in their advertisement in this issue about it. While this conveys the spirit of the picture, it is only the coloured reproduction which reveals its magnificence. Our readers will appreciate the fact that this offer that the proprietors of Wright's coal-tar soap are making is sure to increase the demand for the soap, and Messrs. Wright, Layman & Umney remind chemists that it also synchronises with their Window-display Competition, which closes on December 31, when they will award fourteen cash prizes amounting to 75l. In order to enable chemists to compete effectively, they now offer a window-display of the soap costing 5l. 15s. 6d. and retailing at 8l. 8s., adding as a bonus a 2-pint bottle of liquor carbonis detergens and a copy of "The Toast is 'Britain,'" besides ample accessories for the window-display. Further particulars may be obtained on application to them at Southwark, London, S.E.

VACUUM FLASKS.—Messrs. Henry C. Quelch & Co., Ltd., gate Square, London, E.C., have taken up an agency for the Icy-Hot Bottle Co., Cincinnati, Ohio, U.S.A., who are one of the largest makers of vacuum flasks in the world. The entire manufacture is carried on in the United States by Americans, and it is claimed that the flasks sent out

are superior to those of any German make. It happened that Mr. Harry Robinson, the sales manager of the Icy-Hot Bottle Co., who is in this country, called at the C. & D. office this week, and we took the opportunity of asking him to point out to us the advantages of his goods. Mr. Robinson rather startled us by throwing one of the bottles on the floor two or three times, and showed us that so well protected is the flask by springs and padding that it sustained no damage by this Spartan treatment. He then proceeded to point to the way the walls of the flask are supported so as to enable them to withstand the pressure of the atmosphere and the liquid which is placed in the flask. This gives additional strength, and in the case of the "Icy-Hot" flask is more necessary, owing to the very high vacuum which is reached in exhausting the flasks of air. The higher the exhaustion, the better adapted is the flask for its task of keeping a liquid hot or cold, as the case may be. The degree of exhaustion to which each flask has been subjected is noted on it, but in every case the rarification is such that not a trace of light is obtained by the electrical test. The three varieties which are being placed on the English market are referred to in Messrs. Quelch's advertisement in this issue. In each case the flask is well made and excellently finished. The prices are advantageous, and the opportunity has been taken of protecting the retail price on the plan of the Proprietary Articles Trade Association. Messrs. Quelch will gladly give further particulars to any of our subscribers; in fact, they invite inquiries, as they are convinced of the superiority of the "Icy-Hot" flasks.

ARNFIELD GALENICALS.—We have had the opportunity of examining a number of galenicals prepared in the laboratories of J. C. Arnfield & Sons, Ltd., Gadsby's Works, Princes Street, Stockport, whose reputation in the North is worthy of the founder of the business—Ollive Sims. Of the galenicals, ext. ergotæ liq. is a preparation which accords with modern requirements, in so far as it has physical characters consistent with selected ergot, the aroma and colour indicate careful preparation, and it is tested physiologically in accordance with the Cambridge Physiological Laboratory's standard. Each bottle of the liquid extract is so tested, and Messrs. Arnfield give the requisite guarantee to this effect. A more humble preparation is inf. gentian. co. conc., but it is one which too often has been produced as an intense bitter, with little aroma and too much colour. The Arnfield concentration is an aromatic and elegant preparation which provides a dilution almost indistinguishable from the fresh infusion. It is guaranteed to contain 20 per cent. of rectified spirit, yet is offered at a low price. The last remark is also applicable to syr. hypophos. co., a permanently straw-coloured and clear syrup which is decidedly elegant. We understand that samples and prices of these and any other of the Arnfield galenicals will be sent to buyers on application. Our mention of Ollive Sims recalls the fact, mentioned by us recently (*C. & D.*, April 25, p. 116), that it was with this Quaker pharmacist that Luke Howard served his apprenticeship. He founded the business in Lower Hillgate, Stockport, in 1786, and was succeeded sequentially by A. H. Shaw, E. P. Hornby, Samuel Kay, and Thomas Kay, the two latter forming in 1867 the well-known firm Kay Bros., which on March 31, 1887, was formed into a limited company. At that time Mr. J. C. Arnfield, Ph.C., acquired the wholesale druggist and chemical-manufacturing part of the business, and he continued it in his own name until 1909, when he converted it into a private limited company (*C. & D.*, 1909, II., 535). His sons, Mr. T. Owen Arnfield, Ph.C., and Mr. Harold Arnfield, Ph.C., F.C.S., being his co-directors. Each of them manages a department of the business, which in March 1913 was transferred to Gadsby's Works, a factory which has been equipped with modern apparatus and machinery. It is interesting to note further that several of the preparations originated by Ollive Sims are still in demand, and Messrs. Arnfield make them according to his formulæ, which are in their possession.

EXCESSIVE PRESCRIBING.—Henry Bazett, M.A. Oxon., M.R.C.S. Eng., L.R.C.P. Lond., St. Mary's Terrace, Paddington, writes to "The Lancet" on this subject. He is one of sixty-five London practitioners whose prescribing is being investigated by the Panel Committee. In one of his cases the average cost per prescription was 1s. 1d., compared with 9.7d., the general average. He questions the authority of the Committees, stating that Article 40 of the Medical Benefit Regulations merely "authorises an investigation into prescriptions written for insured persons, to be made while those persons are taking those prescriptions." We do not agree with Dr. Bazett's reading of the Article, but his point is interesting.

PHARMACEUTICAL SOCIETY OF IRELAND.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on Tuesday, November 10, Mr. D. M. Watson (President) in the chair. Other members present were Dr. J. A. Walsh, Messrs. Thomas Batt, G. D. Beggs (Hon. Treasurer), Richard Blair, Joseph H. Bowden, Thomas N. Moffitt, John Smith, and W. F. Wells.

KILLED IN EAST AFRICA.

On the motion of the PRESIDENT, seconded by Mr. WELLS, and supported by Mr. BEGGS and Dr. WALSH, a vote of condolence with Mr. Henry Conyngham, Ph.C., on the death of his son, Captain C. A. T. Conyngham, R.A.M.C., in East Africa (*C. & D.*, November 14, p. 42), was passed.

FREE MEDICINE FOR SOLDIERS' DEPENDANTS.

The PRESIDENT then made a statement about the scheme for supplying free medicine to the necessitous dependants of men serving with the Colours (*C. & D.*, November 14, p. 38), adding that it had been made perfectly clear in connection with the scheme in England that it was a purely voluntary matter, and that the offer came spontaneously from the doctors and from the chemists. Three-fourths of the pharmaceutical chemists in Ireland had agreed, and he now appealed to the remaining one-fourth of their members. In reply to Mr. SMITH, he added that he could not say when the scheme will come into operation in Ireland, but it is now in operation in England.

CORRESPONDENCE.

A letter from the Assistant Under-Secretary, Dublin Castle, stated that the law must take its course in the case of Patrick M. Nugent, who was fined 4*l.* last June for breaches of the Pharmacy Acts.

The report of Sir John William Moore, M.D., on the examinations held during 1914 was also received from the Castle and referred to the Law Committee. Mr. H. Brindle, Manchester College of Pharmacy, wrote asking for recognition of the College, and the Registrar was directed to ascertain in what subjects recognition is wanted. Miss M. E. Hanna, Ph.C., the winner of the gold medal, in a letter of thanks, said: "It will always be a pleasure to me to look back on my work in 67 Lower Mount Street from the time I entered as a student until the day I came out fully qualified. My work seems to me to grow daily in interest. Pharmacy is certainly a calling to which there is no limit of learning." Mr. Ernest Ahier (Islington, London), as an old Jersey man, wrote telling the Council about the form gone through in the Royal Court there when, say, a licentiate of the Society is admitted to practise as a pharmaceutical chemist in the island, and the Registrar was directed to thank him.

PRELIMINARY REGISTRATION.

Mr. Augustus Bourke and Miss Annie C. Hunter, who submitted certificates from the Intermediate Education Board, were admitted to Preliminary registration.

NOMINATIONS FOR MEMBERSHIP.

On the motion of Mr. BLAIR, seconded by Mr. BATT, the following were nominated for membership: Mr. James Joseph McHenry, Ph.C., 1 Belmore Terrace, Enniskillen; Mr. Wm. Smullion, Ph.C., 38B South Richmond Street, Dublin; and Mr. Alexander Wm. Young, Ph.C., Boyers' Medical Hall, 20 Knox's Street, Sligo.

CHANGES OF ADDRESS.

The following sent communications notifying changes in their addresses: Mr. I. J. Eppel, Ph.C., to 13 Mary Street, Dublin; Mr. Lawrence A. Kenny, Ph.C., to Medical Hall, Maryborough, Queen's County; Mr. Charles J. Farren, Ph.C., to Bushmills, co. Antrim; Mr. Thomas Mockler, Ph.C., to George's Street, Templemore, co. Tipperary; and Mr. J. Wallace, Ph.C., to 7 Hartington Street, Belfast.

PHARMACIST AND AUTHOR.

Mrs. Rowe wrote intimating that Mr. Howard Colman Rowe, Ph.C., of Arklow, had died on January 14, 1914. Mrs. Rowe added: "Mr. Rowe had a novel, 'Mr. Whyview's Princess,' accepted and published by Alston Rivers last year. They wrote last November asking him for the title of two new novels for 1914. He was at work on one of them at the time of his death."

A certificate of the death of Mr. Henry C. Thackeray, Ph.C., Dublin, was also submitted.

EXAMINATION MATTERS.

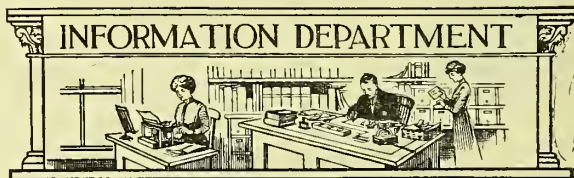
The pharmaceutical licences of James O'Sullivan, Robert L. Chambers, John Hall, Patrick J. Hickey, James Well-

wood, Alfred L. Hanrahan, Herbert T. Beggs, Louis H. Parks, Timothy Connolly, Andrew H. Cooke, and Robert A. Hall were sealed.

On the motion of Mr. BEGGS, seconded by Mr. MOFFITT, it was agreed that as April 2, 1915, will be Good Friday, the Preliminary examination should be held on the second Thursday and following day, April 8 and 9.

The following re-elections were agreed to: Dr. J. S. Ashe, M.P.S.I., Materia Medica and Botany Division examiner in the Pharmaceutical Licence examination; Mr. V. E. Hanna, M.P.S.I., as examiner for the Pharmaceutical Assistant examination; and Mr. J. Dundee, M.P.S.I., as examiner for the Registered Druggist examination.

Reports were received from the examiners on the Pharmaceutical Licence and Registered Druggist examinations, the Law Committee, and the House Committee. Their adoption concluded the business of the meeting.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London E.C.4.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

- | | |
|---|---|
| 165/37. "Yarrow" clinicals. | 166/250. Arthur Faris' pepsine preparation. |
| 165/45. "Milton" silk suspensory bandages. | 166/251. Collin's "Antiferment." |
| 164/46. "Formaldol." | 166/252. "Eau de Lorraine." |
| 165/72. Ferguson's glycerin balm. | 166/253. "American Lilian" baby food. |
| 165/73. "Veltol Compound." | 167/27. "Spiritol." |
| 166/11. Sanagen (food). | 167/61. Tannin B.P.: makers. |
| 166/110. "Nigra" hair-dye (W. & H. Harris, London and Paris). | 168/6. "Three Nuns" powder: London agent. |
| 166/10. Compressed sanitary paper. | 169/11. "Bromoform": makers. |
| 166/25. Dr. Thompson's medicated snuff. | 169/12. "Menth Thymoline." |
| | 168/65. Tunbridge measures (1 oz. and 2 oz.). |
| | 164/74. "Kasturi" lozenges. |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4:

- | | |
|---|---|
| Angier's emulsion (Swiss inquiry), 167/45 | Gum elastic surgical instruments, 155/692 |
| "Anticor" safety razor, 155/693 | Hæmocytometers, 160/22 |
| Arpeol, 164/25 | Helicon, 135/44, 148/60 |
| Avarin, 152/54 | Henna toilet specialties, 152/24 |
| Azoules, 151/30 | Hogarth's chest-expanding braces, 148/10 |
| Bananine, 166/250 | Houbigant's perfumery, 158/23 |
| Bandage-cutting machines, 161/4 | Hypodermic needles, 155/690 |
| Barium peroxide, 162/22 | Iodargol, 151/32, 164/45 |
| Bileyl fournisseur, 152/240 | Japanned-tin articles, 165/71 |
| Cachet filling and closing machinery (for power), 141/9 | Kelsey's sea-sickness plaster, 139/53 |
| Cachets "Secca," 134/70 | "Lily" cream, 167/33 |
| "Cal-ferrated" glycerophosphates, 152/52 | "Luna" safety razor, 152/52 |
| Camel-hair brushes, 162/46 | MaoKay's "Oxyqua," 144/62 |
| Camel-hair throat brushes, 142/4 | Magnesia, carbonate and calcined (for France), 156/25 |
| Carbonated-iron baths, 146/50 | Malt-extract machinery, 144/270 |
| "Castrique" powders, 133/230 | Mar-Vol, 152/52 |
| Celtol, 161/72 | Mayzone, 155/23 |
| Chamberlain's cough-remedy, 153/35 | Paramol, 166/25 |
| Chevasse's eczema-cure, 151/29 | "Parsifal" perfumery, 151/52 |
| Chlorine, compressed, 139/52 | Pearl dentifrice, 166/253 |
| Chromic acid, 160/38 | Photographic printing frames, 127/16 |
| Dandelion-root (English), 155/40 | Pills (packed in penny lines), 166/29 |
| Davis's eucalypten, 162/65 | Startin's bloom lotion, 166/252 |
| Dermoline, 166/251 | Sulphuric anhydride (for France), 155/25 |
| "Dolly" dyes, 152/72 | "T. E. C." batteries, 147/24 |
| Dutch medicines, 167/46 | Temperature charts, 15/694 |
| Electric pocket flash lamps, 147/240 | |
| Epsoline salts, 163/66 | |

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

The Exportation Lists

of drugs, prohibited and free, are interesting as showing that certain Government Departments are not entirely bound up with red tape and that due concern is being shown for the interests of traders as well as for the needs of the country. The list of exemptions contains some very important drugs, such as bismuth and its salts, chloroform, quinine, corrosive sublimate, and mercurials (though not mercury itself), iodine, lysol, nux vomica and its alkaloids. The setting free of these for export will be of immense service, and the result will no doubt be seen in the next Board of Trade Returns. It is rather curious, however, to observe that "opium and its preparations and alkaloids" are prohibited to all destinations, whereas "morphia and other alkaloids of opium" are set free. Evidently someone has blundered, while the hand of the amateur is seen in the inclusion of "citrate of magnesia" in the free-list. It would be interesting to know exactly what is meant by this term. I observe also that ergot of rye is prohibited, while "ergot of rye, preparations and alkaloids" are free. There is here no doubt a superfluous comma.

The Valley of Decision

now lies immediately before us; a few days only remain in which to make up our minds with respect to the new agreement. I venture, indeed, to say that most of us have already made up our minds, whether consciously or not, and that the panels will be as full next year as they are now. This is, if true, as it should be; both principle and policy demand that we continue at our posts. We have undertaken a duty, and must not desert it because everything has not gone smoothly or turned out quite what we expected; besides, it is clear from the improved conditions in Manchester and elsewhere that the situation generally is lightening. It is no doubt the case that some of us do not find the work pay for itself directly, but we have a duty to those less fortunately situated to whom it has become a necessity, and who, if they lost it, could not recover what they have already lost by the passing of the Act. State-provided medical benefit means inevitable ruin to many of the smaller pharmacies if they have no share in supplying it, and anything like a general refusal on the part of men who can afford to give up the work would probably involve its loss by these also. Loyalty to our craft thus reinforces other reasons why we should go on. It also adds, or should add, force to our demand for better conditions; we can only help to secure these by remaining on the panels, and even if the work is not of very much good to ourselves we ought to stand by our fellow-craftsmen.

Mr. Cecil Owen,

I am glad to note, agrees with me with respect to the main points, but I cannot accept his proposed solution of the discounting difficulty. It is open to two objections, each of them fatal. It would expose the patient to the worst evil of the old club practice, and would lower the status of the pharmacist from that of State dispenser to that of dispenser to the doctors. It is true the State would be a party to the arrangement, but that would not materially affect the fact, nor would the change be merely a sentimental grievance. The Tariff, says Mr. Owen, would be a matter for mutual agreement—the agreement, probably, of the toad with the harrow; and "the doctor could prescribe what he liked," including, I suppose, stock mixtures. No; we must be on a footing independent of the doctor, neither (as I said the other week) his censors, nor (which is worse) his bond-servants. We must, however, be assured of full payment for all we supply, whether in drugs or skill, and this without being partners to a bargain at the expense of the insured person. The only solution we can accept is that if extravagant prescribing makes discounting a necessity, the person discounted shall

be the prescriber himself; the point is as simple as it is obvious, and it needs only a stroke of the pen to put the matter right.

Potash from Felspar

may have to be resorted to if the Stassfurt deposits are to be locked up for a year or more, but I am afraid that the expense of such a process would be even greater than that of the old sources of potash from wood-ashes. Nevertheless, Dr. Tocher's inventive genius may be equal to the production of a method by which felspar may be rapidly disintegrated with setting free of the soluble minerals. If such a source were possible it would have the advantage of providing an absolutely unlimited and inexhaustible as well as universally distributed supply.

The Dispensing of Thyroid

has always been a difficulty, and it would be well if some definite agreement could be come to as to what is meant when a doctor prescribes thyroid. Dr. Goodall is entirely correct in saying that only the dried thyroid is recognised by the B.P., and it follows that this should be dispensed when thyroid is prescribed. In practice, however, this is rarely the case, since certain manufacturers have for years labelled their compressed thyroid in terms of the fresh gland—that is, 2 grains-thyroid is supposed to mean 2 grains fresh, or about $\frac{1}{2}$ grain dried. This trade practice has reacted on the medical profession, and many doctors hold exactly the opposite view to Dr. Goodall. Some years ago I asked several medical men what they meant when they prescribed 2 grains thyroid, and all agreed that the fresh gland was intended, thus following the example set up by the manufacturers rather than the precept of the Pharmacopœia. It seems also that the usual practice of regarding 1 grain of dry thyroid as being equal to 5 grains of fresh is a mistake if the figures adduced by Dr. Goodall are correct, and this is yet another reason for getting back to the more scientific method of prescribing and dispensing thyroid—namely, *thyroideum siccum*.

Iodine Resublimed,

says a trade report of October 31, "appears to be quite unattainable for prompt delivery." The statement reminds me of a vivid account given to me recently by an Irish friend of his annual visit to one of the little islands off the south-western coast of Ireland, in which he spends his summer holidays, practising his Gaelic and collecting folk-stories. One of the industries of these islands is kelp-burning, and kelp, as I need hardly say, is one of the sources of iodine. Of all the kelp now produced in the United Kingdom, which amounts to about 7,000 tons, the greater part comes from Ireland, and the manufacture as it is carried on in the islands must be more picturesque than manufactures are wont to be. The seaweed is collected from the rocks when the winter storms are over, dried by exposure, and stacked until summer, when it is burnt in rude kilns on the shore—a process which takes from twelve to twenty-four hours of hard work. In burning it gives off heavy clouds of smoke, under which the boys and women (the latter in red petticoats and plaid shawls) make up a picture that would appeal to an artist, seen as it is against a background of wild rocks and blue sea. About a ton of kelp is obtained from twenty tons of seaweed, and this should yield in turn some eight pounds of iodine in addition to other valuable substances. Formerly it was one of the chief sources of sodium carbonate, and a hundred years or so since it was produced in very large quantities—Chambers says from 200,000 to 300,000 worth yearly—on the western coast of Scotland. The name kelp, by the way, belongs rightly to the weeds themselves, but is now used both of them and of their calcined ashes.

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Editorial Articles.

The New Budget.

In the House of Commons on Tuesday the Chancellor of the Exchequer made a financial statement in regard to the war, outlining the cost and indicating how the expenditure is to be met. It had been anticipated in some journalistic quarters that he was to make the next financial year begin on January 1, 1915, but this only served to demonstrate that official secrets do leak out somehow, partly or wholly, for the new taxation actually revealed does begin before April 1, 1915. That well-established beginning of the fiscal year, nevertheless, has not been disturbed. The Chancellor's speech makes good reading; it was a peephole into the official mind in some respects, new revenue precedents were incorporated in it, and many interesting facts were mentioned which only men in Mr. Lloyd George's high position are able to state forcibly. Therefore we commend the speech in its entirety to those who have not read the eight thousand words or so that were in it.

The first full year of the war will cost this country 450,000,000. and the Budget proposals are calculated to provide money to carry it on until July next. The current financial year, ending on March 31, 1915, is estimated to show decreased revenue of 11,350,000. and additional expenditure due to the war of 328,443,000. so that the Chancellor has to find 339,571,000. before the end of March. He proposes to get this as follows:

	£
Income-tax and super-tax to be doubled as from December 1, 1914, yield	12,500,000
Beer-duty to be increased from 7s. 9d. per standard barrel (38 gals. at sp. gr. 1.055) to 25s. as from November 17, 1914, yield ...	2,500,000
Tea-duty to be increased from 5d. per lb. to 8d. per lb. as from November 17, 1914, yield	950,000
	15,950,000
Less, concessions on publicans' licence-duty ...	450,000
	15,500,000
New taxes up to March 31, 1914	2,750,000
Suspension of sinking fund	91,000,000
Existing loans	230,321,000
New war loans	339,571,000

The additional taxes next year (i.e., April 1, 1915, to March 31, 1916) are expected to yield 65,000,000. but this week's Budget does not exclude another in respect to the coming year. The increased taxes on beer and tea commenced at five minutes to seven on Tuesday evening, but the increased income- and super-taxes will be calculated from December 1, which means that the amount that any taxable individual expected to pay will be increased by one-third, thus each pound will be 26s. 8d. this year, and next year two pounds. All other conditions will remain as at present, except that the abatement for children will also be doubled (so the Chancellor said). The Bill giving the details has not yet been introduced, so that we cannot go further on

that point. Nor is it necessary to discuss in these columns the principles of the finance. The Chancellor recognised the limitations of the incidence of taxation. Obviously he draws from the well-to-do and the working classes. He stated that he had tried to find a scheme for taxing wages, but could not find a workable one; so he fell back upon indirect taxation—beer and tea. The following passage in his speech must be quoted, as it may be regarded as settling proposals for taxing mineral waters (tried a century since without success):

We are taxing those who drink beer, and naturally I have been devoting my attention to the elusive tectotaller. I can assure you he is as difficult to catch as the *Emden*—(laughter)—but I think I have got him. (Laughter and cheers.) It is a great mistake to imagine that you can get him by taxing mineral waters. It is a perfect delusion. He is the last man to drink mineral waters. (Laughter.) The tectotaller never drinks soda-water, although he is proverbially supposed to do so, and to tax it is only another way of taxing those who drink whisky. Three-fourths of the mineral waters in this country are drunk by consumers of alcohol, and half the rest are drunk by children. (Laughter.) One's only chance of getting at the tectotaller is by taxing tea.

Earlier in the speech, when speaking about the duties on beer and spirits, he said that if beer were taxed on the spirit-strength it would pay 2*l.* 7*s.* 10*d.* per barrel instead of 7*s.* 9*d.*, and he stated plainly that a higher duty on spirits would be futile, and more on wine inexpedient at the present time.

People who drink beer and like to consider they are not drinking intoxicating liquor will be glad to know that light beers contain only from 5 to 7 per cent. of proof spirit—just a little above ginger-ale.

So the Chancellor said, but for "ginger-ale" read "ginger-beer" in order to be quite correct. Two other interesting points must be mentioned. Owing to the earlier closing of public-houses the licence-duties are to be reduced by one-seventh; that is a concession substantially novel. Two concessions to beer-brewers are (1) a month's credit for payment of the duty, and (2) bonding of beer for export with payment of the drawback immediately the beer is bonded. This will enable the beer to mature without carrying the heavy duty all the time. May it not be possible some day to get the same concession for perfumery to be exported under drawback?

Trade with Japan.

THE capture of Tsingtau by the Allied Forces, almost simultaneously with the disposal of Germany's *Alabama*, makes clear the way to renewed trading with the Eastern Island Empire, which is one of the world's best markets. The time is appropriate, therefore, to refer to what Japan has been doing, and we are able to give from official sources full lists of the chemicals, drugs, and produce which that country is accustomed to handle as the best evidence of trade possibilities. The lists are arranged as imports and exports during the first six months of each of the years 1912 and 1913 and the current year. If we take these by groups, we find that the total imports of "drugs, chemicals, medicines, compounds or preparations thereof, and explosives" during the six months of 1914 were valued at 21,224,389 yen, against 19,569,904 yen in the first half of 1913 and 17,011,244 yen in the same period of 1912. Another group is "oils, fats, waxes, and manufactures thereof," imports of which amounted to 8,819,703 yen, against 10,966,655 yen and 9,832,335 yen in 1913 and 1912. A third group relates to the imports of "dyes, pigments, coatings, and filling matters," which amounted in value to 5,368,477 yen, as compared with 5,808,927 yen and 4,882,927 yen for the

corresponding periods of 1913 and 1912. Aniline dyes afforded the largest total in this group, imports being 3,006,611 kin, valued at 1,711,737 yen, or slightly less than the two previous half-years; and of alizarine dyes the imports were 65,012 kin, valued at 113,203 yen. Germany supplied practically all the dyes, small amounts being contributed by Switzerland and Great Britain. The exports of drugs, chemicals, medicines, etc., were valued at 12,497,094 yen, against 12,207,971 yen in 1913 and

IMPORTS.

		Six months ended June		
		1912	1913	1914
Soya beans ...	piculs	1,491,702	1,048,557	1,487,856
Sesame-seed ...	"	48,776	51,032	49,605
Rape-seed ...	"	173,451	56,591	108,181
Cotton-seed ...	"	143,175	91,692	66,914
Milk-sugar ...	kin	54,865	126,582	132,535
Hops ...	"	147,022	237,351	233,713
Liquorice ...	"	219,686	185,222	589,052
Saffron ...	"	3,420	1,597	3,782
Senegea ...	"	6,741	21,007	17,849
Rosin ...	"	4,434,832	6,510,026	3,896,728
Catechu, gambier, etc.	"	1,976,046	2,123,209	2,708,393
Gum acacia ...	"	259,956	198,935	55,485
Galls, oak bark, and tannin materials ...	kin	1,538,680	1,618,584	1,770,646
Shellac ...	"	267,721	195,394	196,652
Glae ...	"	641,568	1,317,229	756,998
Gelatin ...	"	68,790	42,754	39,892
Phosphorus, red ...	"	135,039	189,330	197,928
" yellow ...	"	166,456	167,973	120,921
Acids—				
Boric ...	"	309,689	461,291	346,702
Acetic ...	"	15,013	6,926	543
Tartaric ...	"	84,001	84,836	64,538
Salicylic ...	"	136,101	187,545	238,620
Carbolic ...	"	281,451	390,889	354,371
Citric ...	"	23,045	33,066	29,940
Soda—				
Caustic (crude) ...	"	7,206,378	11,123,442	10,005,784
Ash ...	"	20,754,399	24,016,748	20,625,865
Bicarb. ...	"	3,114,403	4,113,081	2,462,540
Nitrate (crude) ...	"	15,255,536	23,379,298	32,157,559
Borate ...	"	849,650	422,088	609,325
Peroxide ...	"	175,755	169,038	129,403
Potash—				
Chlorate ...	"	3,279,249	2,464,660	2,992,508
Cyanide ...	"	357,718	410,601	381,409
Bichromate ...	"	799,300	327,376	506,893
Bromide ...	"	29,698	32,698	74,568
Nitrate ...	"	600,012	313,218	665,127
Bismuth subnit. ...	"	21,365	16,739	7,696
Ammon. sulph. (cr.) ...	piculs	741,670	841,715	1,051,856
" chloride ...	kin	326,661	311,548	494,224
" carb. ...	"	339,972	96,657	312,781
Calcium acetate ...	"	2,365,939	3,738,231	1,679,005
Formalin ...	"	617,715	583,759	610,876
Alcohol ...	litres	10,147	18,008	14,074
Glycerin ...	kin	816,820	640,433	643,577
Camphor (Borneo, etc.) ...	"	7,947	2,995	271
Antipyrin ...	oz.	393,285	423,597	513,103
Santonin ...	kin	2,151	2,203	1,379
Quinine salts ...	oz.	210,627	88,808	187,527
Morphine salts ...	"	15,955	60,175	56,396
Cocaine salts ...	"	21,701	23,658	18,312
Guaiacol carb. ...	kin	12,091	16,176	15,798
Aniline salt ...	"	291,908	191,685	266,881
Plasters ...	"	23,220	25,813	13,642
Aromatic chemicals ...	yen	14,883	18,350	27,116
All other drugs and chemicals ...	"	1,618,074	1,602,418	2,271,376
Spirituous med. preps. ...	litres	17,870	18,818	19,105
Turpentine ...	"	102,835	92,244	26,691
Volatile oils ...	kin	82,187	128,173	106,425
Linseed oil ...	"	205,093	201,508	210,617
Castor oil ...	"	489,703	368,839	297,552
Olive oil ...	"	62,473	92,639	111,834
Coconut oil ...	"	110,043	560,142	795,309
Soya-bean oil ...	"	2,509,450	3,757,765	1,423,338
Vaseline ...	"	148,611	207,521	202,803
Stearin ...	"	209,067	315,116	221,434
Olein ...	"	311,548	431,931	394,265
Quicksilver ...	"	166,317	180,664	85,459
Oils, fats, and waxes perfumed and preps. ...	kin	13,532	28,970	19,836
Perfumed waters ...	"	24,327	43,051	41,278
All other oils, fats & waxes yen	"	72,294	98,747	150,260
All other manfrs. of oils, fats and waxes ...	"	14,211	25,691	23,841
Photo papers ...	"	142,990	153,745	161,047
Surgical instruments ...	"	61,363	79,401	112,718
Photo apparatus ...	"	23,421	18,419	25,945
Soaps, perfumed ...	"	72,369	156,205	81,495
" other ...	"	793,537	607,139	470,763

EXPORTS

Six months ended June

	1912	1913	1914
Menthol kin	74,101	121,290	209,076
Menthol cones ... doz.	41,383	63,669	97,620
Peppermint oil ... kin	97,038	164,065	220,099
Iodine, crude ... "	8,313	7,857	10,275
Potash iodide ... "	32,824	30,583	39,970
Sulphuric acid ... "	1,289,467	1,374,002	1,324,515
Soda crystals ... "	1,275,401	518,202	669,467
Bleaching-powder ... "	461,115	1,270,015	758,719
Prepared perfumeries ... yen	191,647	325,620	298,463
" medicines ... "	524,768	985,346	1,060,783
All other drugs—			
Medicines and chemicals ...	319,322	423,709	587,977
Vegetable wax ... kin	2,145,223	2,479,801	2,335,188
Brushes—			
Hair doz.	77,642	114,087	138,036
Tooth "	1,012,841	869,493	961,953
Nail "	107,645	147,036	231,333
Toilet-water and hair-oil... yen	206,067	301,524	257,800
Hair-cosmetics (Jap.) ...	32,500	43,018	18,805
Soap, toilet doz.	621,287	1,363,963	1,400,082
Bird-lime kin	203,565	117,579	14,489
Agar-agar "	1,445,554	1,776,531	1,927,131
Chillies "	1,276,623	845,669	209,114
Ginger, dried "	3,466,252	2,935,279	1,697,020
Soy sho	1,439,070	1,505,172	1,487,918
Ginseng kin	133,888	149,236	224,079
Coptis-root "	3,725	38,381	29,335
Star anise "	78,507	162,307	253,916
Galls "	247,343	54,350	62,700
Sulphur "	34,149,647	29,976,098	29,111,881
Camphor "	1,486,696	1,245,827	1,475,722
Camphor oil "	759,444	737,343	763,895

Kin = 1.3 lb. Sho = 0.48 gal. Yen = 2s.

10,672,708 yen in 1912. Details respecting these are given in the second table. In regard to the exports of oils, fats, and waxes, we note that they were valued at 4,796,310 yen, compared with 4,629,367 yen and 3,623,964 yen in 1913 and 1912 respectively. The participation of the various countries in the drug and chemical trades is not given in the official monthly returns, but from another source we find that the values of some of the leading items obtained from Germany during 1913 were as follows: Boric acid, 91,000 yen; citric acid, 19,000 yen; salicylic acid, 131,500 yen; tartaric acid, 12,600 yen; yellow phosphorus, 68,000 yen; amorphous phosphorus, 108,000 yen; crude caustic soda, 1,622 yen; soda bicarbonate, 1,934 yen; potash cyanide, 153,000 yen; potash chlorate, 449,000 yen; potash bromide, 63,300 yen; bismuth subnitrate, 61,500 yen; ammonium chloride, 49,000 yen; ammonium carbonate, 1,900 yen; glycerin, 193,000 yen; quinine and its salts, 22,320 yen; formalin, 105,000 yen. We observe that the Board of Trade remarks regarding the opportunities now offered, "that it is absolutely essential that experts should pay a visit to Japan." The financial position is said to be fairly satisfactory, but it is difficult to say precisely whether regular payments will be possible in the event of the market becoming congested. The German Empire's large share of the trade is said to be due almost entirely to excessive credit, which, indeed, has been the universal experience of German enterprise, and this is a thing that should not be forgotten. Owing to its comparative nearness to Japan, the United States is making a bid for its business, and its nature, so far as the drug and chemical trades are concerned, is fully demonstrated by the above tabulated statement.

Stalemate.

This is the end of the game on the stock-mixture clause. The Insurance Commissioners will not approve of any agreements in which the clause does not occur, but they are informing Insurance Committees that its enforcement

in practice will not be insisted upon. Chemists will go on the panel for another year, and their representatives are supposed to know of ways for making the provision inoperative. It is a pretty spectacle, but it does not move a cog of the machinery designed to prevent prescribers practising in such a way as to deplete the Drug Funds, and thus rob chemists of payment for part of the goods that they supply to doctors' orders. Dr. Christopher Addison, M.P., now represents the Insurance Commissioners in the House of Commons, and he might be questioned on the subject. Mr. Masterman seems to be unapproachable, at least by a deputation from Bloomsbury Square.

Emergency Legislation.

In our issue of September 3, p. 55, we remarked that "emergency legislation has saved in a measure our internal situation." The numerous Acts of Parliament passed in consequence of the European war were produced and assented to so quickly that few people could keep pace with them, and when it is realised that the commerce and finance of this country are at present conducted largely under or on account of these Acts, the need for a book in regard to them will be apparent. It is satisfactory, therefore, to note that Mr. Alexander Pulling, C.B., of the Inner Temple, has prepared, and the Government has published, a "Manual of Emergency Legislation, Comprising all the Acts of Parliament, Proclamations, Orders, etc., Passed and Made in Consequence of the War," which, with a supplement bringing the publication up to November 3, can be obtained through any bookseller for 3s. 6d. It is difficult to estimate the value of the Manual; had we had it a few weeks ago, it would have saved us many hours' plodding through Acts and Gazettes. Besides, the book is a bibliophilic acquisition. "The Times" has remarked:

"At no other period of equal length, in the case of this country or any other, has there been legislation with like objects comparable in bulk and variety. It is possible that some historian with this volume before him may say as to these times: 'Here opened a new era in warfare. Here for the first time the military and the civil authorities fully co-operated for national defence. Here for the first time was it realised that a blow to credit might be as disastrous as a defeat on land or sea.' Mr. Pulling says nothing as to such matters. His notes are few, brief, and businesslike. But there can be no doubt that, whenever war comes to this country or any other, Mr. Pulling's manual will be consulted."

In endorsing this opinion we wish to emphasise particularly the sentence beginning

"Here for the First Time."

We have all heard and read much about war against the enemies' trade—chiefly German. We may or may not agree with the principle underlying such declarations of war, but there are no two opinions among Britishers at home and abroad that in some matters we have been caught napping, and that we are determined not to be caught again. So far as chemical-industry is concerned, the first demonstration of this is contained in the communication from the Board of Trade to which we give pride of place in this issue. The Board of Trade Committee, of which Lord Haldane was appointed Chairman, although Lord Moulton has been acting for him, is behind the movement to rehabilitate the synthetic-dye industry in this country; the Government is behind the Committee, and the community is behind the Government. It is possible to write to the extent of several columns about this, but a mere outline suffices for pharmacists as reflective men. Think of Hofmann in Oxford Street; a pupil of his, Perkin, a boy of seventeen, making the first aniline

dye; the establishment of a new industry in this country; Germans coming here to be educated and taught chemistry; Hofmann's return to Berlin; his German pupils planting the new industry in German soil; our manufacturers dropping the business when they had made enough out of it; the dependence of Britain's textile manufacturers upon Germany for their dyes; and now the return of the prodigal! Not that, quite; for in all these years the industry has not died out in this country, and with our restoration to thinking a little more seriously about our own firesides we find that we have the material, the men, and the money to make aniline dyes for ourselves, and it is to be done with the British community behind the business on this occasion—a community whose distrust of Germany grows day by day.

Select Committee on Patent Medicines.

AN "Index and Digest of Evidence" of the Report of the Select Committee on Patent Medicines has been issued officially (Wyman & Sons, Ltd., 11*d.*). It is a useful summary of the bulky Report to which we referred recently (*C. & D.*, October 24, p. 47), and also of the full reports which were given in this Journal when the Committee was sitting. It should be noted, however, that the evidence of two witnesses which was taken in private is given in the official Report. One of these witnesses, who figures as "Mr. A.," gave the Committee his experience regarding Stevens's consumption-cure. Perhaps the most interesting part of Mr. A.'s evidence was his complaint of the way he had been treated by medical men. It was this that made witness place his trust in Stevens's remedy. He stated that he had been treated by medical men for three and a half years, and none of them ever suggested that there was anything the matter with his chest. The witness added pathetically:

That is a thing that really tends to turn a man like me against the medical profession. When they keep you in the dark as to a complaint like that, as to which everyone knows that as soon as the complaint is detected the quicker they get the proper treatment, the better it is for them. I do not think it a right and proper thing to dally with a patient until they find out that he is practically a hopeless case, and then tell him or his parents what is the matter with him.

Further, in reply to Mr. Glyn-Jones, witness reiterated his complaint of the way he had been treated by medical men. The other witness who was examined in private was Dr. R. E. Crosse, one of the witnesses for the British Medical Association. His evidence had to do with the use of abortifacients and the means to prevent conception. Dr. Crosse also referred to an inspection that he had made of the goods exposed for sale in various shops in the neighbourhood of Trafalgar Square and Shaftesbury Avenue. Sir Philip Magnus asked witness if these goods were displayed in the shop-windows of pharmacists, and Dr. Crosse replied, "Yes; they are displayed in the windows of druggists' or chemists' shops," but later on, in reply to Mr. Charles Bathurst, he said these were not "respectable chemists' windows."

Saccharin Imports.

It is somewhat of an anomaly that when the Government by Proclamation prohibited the importation of sugar from the Continent with the object of excluding German and Austrian beet sugar (*C. & D.*, October 31, p. 33), they failed to make provision for the exclusion of saccharin of German origin which has been imported into this country since the war began. A trader in the commodity, writing in "The Times" of November 11,

calls attention to the increase in the imports from Holland in October, and states that "the money paid for it finds its way to Germany." On looking up the Board of Trade Returns we find that the figures for October support the suggestion; but when the figures for three years are compared the results are rather erratic. We subjoin those for June-October during the past three years, the month's lines being the amounts imported, and below them are the amounts taken out of bond for home consumption:

	1912	1913	1914
	Oz.	Oz.	Oz.
June	106,040	329,188	237,784
Home consumption ...	79,710	169,956	166,672
July	186,626	168,828	287,533
Home consumption ...	213,445	140,740	216,146
August	352,013	114,793	5,133
Home consumption ...	80,977	147,008	222,269
September	18,672	52,838	97,700
Home consumption ...	70,131	105,994	73,924
October	17,976	35,242	226,287
Home consumption ...	55,545	79,770	123,783

The five months' imports are greater for this year by fully 154,000 oz. than in 1912 and 1913. The larger imports during the past two months may be accounted for by the holding-up of the August shipments, and our getting them since, but there is a widespread belief that some of the saccharin has actually left Germany since the war began. Whether or not trading in such saccharin is legally right depends upon how the sugar regulations are applied to saccharin. In any case, the article being dutiable, the Customs authorities must ascertain its origin.

Advertising the Optical Business.

THERE is no more useful adjunct to pharmacy than the practice of sight-testing. Besides being a valuable source of remuneration, it lends a publicity to pharmacy which is frequently instrumental in increasing the returns of both departments. Recourse to spectacles marks a new era in the life of any individual, and frequently has a marked effect upon the countenance, facts which produce comments by all friends and acquaintances. Brief comments turn to conversation, and the source of the supplies, satisfaction derived, etc., are commented on. In this way the chemist-optician derives an amount of publicity which is usually lacking from the sale of pharmaceutical requisites. The publicity signs used in connection with the optical business are powerful in arresting the attention of passers-by—e.g., window or outdoor flash-signs, clockwork astigmatic test, etc. Once the attention of the passer-by has been arrested, in 90 per cent. of cases the remaining portion of the window or other window is scrutinised, and this frequently suggests pharmaceutical articles wanted. Twenty to thirty minutes in the testing-room gives the chemist-optician ample time to win his client's confidence and turn a casual customer into a permanent one.

OBSERVATION IN THE PHARMACY.

Many other means of building up a valuable optical connection at a small cost exist. It is an excellent device, for example, to print upon the envelope or label of headache-powder such wording as "Eyestrain causes Nerve-strain. We will test your eyes." It is surprising the results which arise from such a simple device upon neuralgia-mixtures, tonic medicines, eye lotions and ointments, quinine-and-iron tonic labels, etc.

Much can be learned by keen observation of a customer's eyes, and the conversation led up to the subject of vision if necessary. The prominent eye is probably myopic; the tired, small, or slightly inflamed eye probably hypermetropic, the squinting eye similarly affected, while frequently observation of the cornea suggests astigmatism. In fact, all clients of forty or over are well worth the consideration of the pharmacist, since among them exist

a fair proportion of uncorrected presbyopes. The surface of a mirror is a fine place for a brief notice concerning sight-testing. The letters should be of white porcelain. A neat stand bearing a pair of neat rimless eye-glasses, together with a small artistic showcard, is invaluable if shown just at the spot from which the customer takes his or her change.

DRAWING UP ADVERTISEMENTS.

Some trouble should be taken in drawing up optical literature. Care should be exercised in the selection of type, border, and illustration. The effect derived should be artistic and dignified, this being secured by a light line or slightly ornamental border, thin type, a judicious use of white space, and very light-lined illustrations. Specific facts should be stated, and not general claims, while the possession of a diploma and up-to-date scientific instruments should receive its necessary emphasis. For circulars illustrations should be selected portraying the sight-testing room, scientific instruments, methods of testing, and the face of an attractive woman wearing a neat pair of well-fitted rimless glasses. The absence of detriment to appearance and the possession of the refined, *chic* look afforded by rimless glasses cannot be too frequently emphasised. Other features of the circular to receive attention should be the adoption of an attractive colour-harmony between the stock and type and the length of the circular. The first circular should be attractive, brief, concise, and convincing; you are arousing interest, whereas the mere appearance of a long circular would immediately dispel it. Following the distribution of the short circular should be one giving fuller details. A good idea, particularly in small towns, is to arrange to have a small circular inserted in every copy of the local newspaper. When the paper is opened the circular drops out, is picked up and read.

P. H. (130/55.)

WESTMINSTER WISDOM.

The Week in Parliament.

SUGGESTED DUTY ON MEDICATED-WINES.

Mr. Hogge is asking the Chancellor of the Exchequer the following question on Friday, November 20:

Whether he will consider the advisability of making it illegal to retail any spirits under 33 under proof, instead of 25 as at present; and whether he will consider the advisability of enforcing, as in patent medicines, the stamp-duty of 1s. per reputed bottle and 6d. per reputed pint on all medicated wines.

"MADE IN HOLLAND."

Replying to Sir George Scott Robertson on Wednesday, November 18, the President of the Board of Trade (Mr. Runciman) stated that allegations have been made to the Department that certain goods marked "Made in Holland" have been, in fact, made in Germany. Any such marking would, of course, be a breach of the Merchandise Marks Act, and if sufficient evidence of an offence of this character can be produced in any instance he would be prepared to take proceedings under the Act.

EXCESSIVE SICKNESS COMMITTEE.

Our Parliamentary correspondent states that the Report of the Departmental Committee on Excessive Sickness under the National Insurance Act, which held many sittings under the chairmanship of Sir Claud Schuster, has now been laid before Parliament. It was stated on Tuesday that no similar inquiry has been held in Ireland, and the absence of Medical Benefit in Ireland renders it impossible to compare the systems of certification in Great Britain and Ireland.

INSURANCE COMMISSIONERS' REPRESENTATION.

Dr. Christopher Addison, M.P., who recently succeeded Mr. C. P. Trevelyan, M.P., as Parliamentary Secretary to the Board of Education, will in future represent the Insurance Commissioners in the House of Commons in place of Mr. Wedgwood Benn, M.P., who recently relinquished his duties at the House of Commons and the Treasury to proceed to the Front as interpreter on the Headquarters Staff. It may be recalled that Dr. Addison

did for the medical profession in Medical Benefit matters what Mr. Glyn-Jones did for pharmacy, and these two members worked together.

TREATMENT OF TUBERCULOSIS.

Dr. Addison, M.P., informed Mr. G. Roberts, M.P., in the House of Commons on November 16 that the Insurance Commissioners have received representations from certain Insurance Committees in England expressing the view that, having regard to the large contributions which such Committees make to the schemes of local authorities for the treatment of tuberculosis, provision should exist for the appropriate representation of such Committees in the administration of this benefit. If he rightly understood the suggestion of his hon. friend, effect could not be given to it without legislation.

ARMY MEDICAL MATTERS.

Mr. Tennant, Under-Secretary of State for War, informed Sir Clement Kinloch-Cooke on November 16 that the arrangements for the employment of chiropodists in the Regular Army are the same as those which have been applicable to the Territorial Forces. Mr. Tennant also told Sir Clement at the same time that the vaccine lymph used in the Army is obtained from the Local Government Board's lymph-station at Hendon, and is the same as that supplied by the Board to public vaccinators. He also told Mr. Chancellor that he could not say definitely that the antityphoid vaccine used for inoculation in the French army is prepared at the Pasteur Institute, although he believed it to be the case; but he declined to accept Mr. Chancellor's suggestion that "these well-inoculated troops" are spreading infection.

ALLEGED TRADING WITH THE ENEMY.

In the House of Commons on November 16, Mr. J. H. Thomas put a question to the Home Secretary in regard to an allegation that Messrs. W. T. Sargent & Sons, 6 Mincing Lane, E.C., had been trading with the enemy, and that the London County and Westminster Bank parted with German warrants in trust to that firm, and if the matter had been investigated by the City police. In reply, Mr. McKenna said the matter had not been previously brought to the notice of the Home Office. The City police had received anonymous allegations as to certain transactions by the firm, but, after inquiry, they were satisfied with regard to the transactions in question, and, no further action being necessary, did not report the matter to the Home Office. The firm had received express authority from the Board of Trade to sell certain goods which had been imported into Germany before the commencement of the war. The right hon. gentleman promised to make further inquiries, which will include a statement that has been bandied about that a prominent official is supposed to be a relation of the firm.

THE PROPRIETOR OF SANATOGEN.

In the House of Commons on November 16, Mr. Joyce put the following question to the Home Secretary:

Whether his attention has been drawn to a statement made on behalf of the proprietor of Sanatozen that the Home Secretary had assented to the business being carried on for the benefit of the proprietor, and also to a company being formed for the purpose of acquiring the business from the proprietor; whether the proprietor is an alien enemy; whether any such licence and sanction as alleged has been given, which would have the effect of enabling dealing by a company with such alien enemy; and whether any step is proposed to be taken to prevent the continuance of such a business for the benefit of an alien enemy.

Mr. McKenna replied that the statement mentioned in the first part of the question is untrue. The proprietor of the firm in question is an enemy now in Germany, and application was made for permission to convert the business into an English limited liability company. He declined to sanction that application. (Hear, hear.) Effective steps will be taken to prevent any profits being remitted to the proprietor during the war. (Hear, hear.)

THE BRITISH VICE-CONSUL at Ekaterinburg, Russia, reports that there is a particular dearth of pharmaceutical preparations, which were formerly very largely imported from Germany.

THE BRITISH PHARMACOPOEIA 1914.

Notes on the new Pharmacopœia, which will come into force on December 31, 1914.

The Chemical Monographs.

(Continued from the "C. & D.," November 14, p. 52.)

The following contractions are employed: C.R., Recommendation of the Committee of Reference in Pharmacy; m.p., melting-point; b.p., boiling-point; app., approximately; sp. gr., specific gravity; sol., solubility; syn., synonym; the meaning of other abbreviations will be sufficiently evident. The symbols Pb and As have been used in dealing with the lead and arsenic limits. All temperatures are given in degrees Centigrade.

HYDRARGYRUM CUM CRETA.

The monograph is practically unchanged.

HYDRARGYRUM OLEATUM. *Syn.* MERCURIC OLEATE.

This replaces hydrargyri oleas. We give the formula with quantities in apothecaries' weight:

Yellow mercuric oxide	...	...	100 grains
Liquid paraffin	...	...	25 grains
Oleic acid	...	...	375 grains

Triturate the mercuric oxide with the liquid paraffin till thoroughly subdivided; add the oleic acid, with vigorous stirring. Heat the mixture to 50°, triturating occasionally till combination is effected, and, when cool, a yellowish, unctuous preparation is obtained (C.R.).

IODOFORM.

Sol. 1 in 100 of 90-per-cent. alcohol (formerly 1 in 80); 1 in 8 of ether (formerly 1 in 5). Otherwise the monograph is not materially altered.

IODUM.

Required to contain 99 per cent. of pure iodine (formerly 98.7 per cent.).

KAOLINUM.

The method of testing for silicates and aluminium is improved.

LIQUOR AMMONIÆ.

Monograph not materially changed.

LIQUOR AMMONIÆ FORTIS.

The sp. gr. 0.888 (formerly 0.891) now agrees with the percentage of ammonia (32.5 per cent.). Sulphuric acid is substituted for hydrochloric acid in the test for tarry matter. Tests for the absence of copper, iron, lead, and an As limit of 0.5 part per million are introduced. It is required to yield no appreciable residue on evaporation (C.R.).

LIQUOR ETHYL NITRITIS.

The monograph has undergone no material alteration.

LIQUOR FORMALDEHYDI.

A colourless liquid, neutral or only slightly acid to litmus. Sp. gr. 1.079 to 1.081. On evaporation to dryness leaves a white residue, which on incineration leaves no appreciable ash. An aqueous solution (1 in 5) should give no reactions for iron, copper, lead, calcium, chlorides, or sulphates. Identification-tests and a test for the absence of acetone are given. The assay-process is substantially that of the U.S.P. (Hayward and Smith's process), except that the solution of formaldehyde is taken by volume and a blank is carried out. It should contain 36 to 38 per cent. of HCHO.

LIQUOR HYDROGENII PEROXIDI

The following assay-process replaces the permanganate method: Two millilitres, vigorously shaken in a brine-charged nitrometer in 4 millilitres of solution of copper ammonio-sulphate, liberates at 15.5° and normal pressure not less than 18 and not more than 22 millilitres of oxygen, corresponding to about ten volumes of available oxygen in one volume of the solution. A limit of acidity is introduced (25 millilitres equal to not more than 2.5 millilitres of decinormal NaOH, methyl-orange indicator) (C.R.). The solid residue on evaporation is raised to 1 per cent. (formerly 0.5 per cent.). C.R. recommended 0.75 per cent.

LIQUOR MAGNESII BICARBONATIS

Formerly known as liquor magnesi carbonatis. There is no change in the monograph, except that a Pb limit of 0.5 part per million and an As limit of 0.2 part per million are introduced (C.R.).

LITHII CARBONAS.

Sol. 1 in 80 of water (formerly 1 in 70). Required to yield not less than 98.5 per cent. of pure Li_2CO_3 when titrated with normal H_2SO_4 (C.R.). Pb limit, 10 parts per million; As limit, 5 parts per million (C.R.).

LITHII CITRAS.

The reference to loss of water on heating is deleted, and the salt is not described as deliquescent. Should contain 98.5 per cent. of $\text{Li}_2\text{C}_4\text{H}_3\text{O}_7 \cdot 4\text{H}_2\text{O}$, as determined by ignition of a given quantity, treating the residue with water, washing well, and titrating the filtered solution with normal H_2SO_4 . Pb limit, 5 parts per million; As limit, 2 parts per million (C.R.).

MAGNESIA LEVIS.

The monograph is not materially altered.

MAGNESIA PONDEROSA.

Required to yield no characteristic reactions for aluminium and copper, and not more than the slightest reactions for iron, calcium, carbonates, and sulphates. Should lose not more than 1 per cent. of its weight on ignition. This allows for the fact that magnesia ponderosa absorbs moisture and carbon dioxide on exposure to the air. Pb limit, 20 parts per million; As limit, 5 parts per million (C.R.).

MAGNESII CARBONAS LEVIS.

Monograph substantially as before.

MAGNESII CARBONAS PONDEROSUS.

Required to yield no characteristic reactions for aluminium, copper, or calcium, and not more than the slightest reactions for iron, chlorides, or sulphates. Should lose 56 to 58 per cent. of its weight on ignition (formerly 58 per cent.). Pb limit, 20 parts per million; As limit, 5 parts per million.

MAGNESII SULPHAS.

Required to contain not less than 97.4 per cent. of $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ (formerly 97.36 per cent.). Should give no characteristic reaction for zinc, and not more than the slightest reaction for chlorides. Special tests are introduced for insoluble impurities, and for more than traces of iron (C.R.). Pb and As limits, 5 parts per million.

MENTHOL.

The words "more or less moist from adhering oil" have been deleted; the m.p. is given as from 42° to 43°, and the odour and taste are given as "recalling peppermint," instead of "of peppermint" (C.R.).

METHYL SALICYLAS.

May be obtained by the interaction of methyl alcohol and salicylic acid. Sol. slightly in water, readily in 90-per-cent. alcohol, glacial acetic acid, and carbon disulphide. Sp. gr. 1.185 to 1.192. B.p. 219° to 221°. Optically inactive. An identification-test is given, and it is required to yield not less than 98 per cent. of the ester, $\text{C}_6\text{H}_4(\text{OH})\text{COOCH}_3$. No assay-process is given.

METHYLSULPHONAL.

Diethyl-sulphonic-methyl-ethyl-methane. Sol. 1 in 320 of water; somewhat more soluble in diluted alcohol. M.p. 76° to 76.5°. Identification-tests are given, as well as a test for the absence of mercaptan and mercaptol, and a limit for readily oxidisable substances.

NAPHTHOL.

The monograph is practically unaltered.

PARALDEHYDUM.

Sol. in 1 in 9 of cold water (formerly 1 in 10) to a neutral or only slightly acid solution (previously neutral). Sp. gr. 0.998 to 1.009 (formerly 0.998). Solidifies at a low temperature; m.p. not under 10° (previously about 10°). Not more than 5 per cent. distils under 123°, and the remainder distils between 123° and 125° (C.R.). The test for acetaldehyde is modified so as to admit paraldehyde containing traces of that body.

PHENACETINUM.

The monograph is the same as before, except that the solubility in 90-per-cent. alcohol is altered to 1 in 21 (formerly 1 in 20) (C.R.), and it is required to yield no appreciable ash.

(To be continued.)

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

ENGLAND.

Bath.—A meeting of the Bath Pharmaceutical Association was held on November 10, Mr. H. K. Pryke presiding. A discussion took place over the stock-mixture clause in dispensing contracts, which it was resolved to oppose in every possible manner. The advisability of renewing the agreements is being considered by the Pharmaceutical Committee, who will make known their decision to the chemists on the local panel.

Birmingham.—A meeting of the Pharmaceutical Committee was held on November 13, when the report was considered of a deputation to the Finance Sub-Committee of the Insurance Committee. This stated that a concession had been obtained for the payment on the fourth Friday of each month of a proportion, according to the funds available, of all drug accounts received by the 10th of the same month. This arrangement will come into force in February next for accounts up to January 31. Deputations from the three Committees have discussed joint arrangements for checking prescriptions, etc., but the matter has been deferred for further investigation. Before December 3 chemists will be informed of the result of the application to the Panel Committee for a promise that they will not put into operation the clause dealing with stock mixtures and as to continuance of pharmaceutical service for 1915.

Bournemouth.—A meeting of panel chemists was held on November 9, Mr. F. E. Bilson in the chair. The stock-mixture clause and the recommendations of the Local Associations Executive Committee were discussed at some length, several pharmacists expressing their intention of resigning from the panel unless the discounting clause and the new clause are omitted. The majority, however, voted for continuing on the panel for next year, as it is thought that the stock-mixture clause will not affect the pharmacists in the district.

Burton-on-Trent.—At a special meeting of the Pharmaceutical Committee on November 3 a reasoned statement of objections to the proposed stock-mixture clause was discussed and adopted. This statement was presented to the Insurance Committee on November 12, and after a long discussion the Committee resolved by a large majority to protest to the Commissioners against the clause, and to request them to omit it from the 1915 Tariff. A reply has since been received from the Commissioners insisting on the inclusion of the clause, but pointing out that it need not be put into operation. The drug-accounts for the quarter ended October 11 showed an increase of 1,158 prescriptions, but a decrease in value of 45*l*. Payment to chemists of 90 per cent. of their accounts was ordered.

Essex.—The Insurance Committee met on November 17, when the Medical Benefit Sub-Committee reported that they had further considered the proposed stock-mixture clause and the Commissioners' reply to their letter regarding the suggested modification of the clause (*C. & D.*, October 31, p. 44). The Sub-Committee reaffirmed their decision that the use of stock mixtures is against the best interests of the insured, and were strongly of opinion that no Formulary should be allowed in the county, but, in view of the Commissioners' reply, they consented, under protest, to the insertion of the clause in the Drug Tariff. They also recommended the adoption of the revised Drug Tariff. It was announced that the Panel Committee have agreed to contribute one-third of the cost of checking prescriptions. The Drug (Joint) Sub-Committee reported that they had considered a detailed statement regarding the cost and number of prescriptions, and they had submitted certain prescriptions to the Panel Committee for investigation and report. Their attention had been called to the fact that certain practitioners have been in the habit of using private formulæ, and they recommended that the matter be referred to the Panel and Pharmaceutical Committees for consideration. The Secretary of the Panel Committee had undertaken to draw the attention of his Committee to the difficulties that arise through the use of "Rep. mist." Payments to chemists of 75 per cent. of the amounts of their accounts were passed. A recommendation by the General Purposes Sub-Committee that a report regarding the proposed appointment of separate Insurance Committees for the County Borough of Southend and for the Borough of East Ham should be forwarded to the Insurance Commissioners was passed, and

a deputation was appointed to submit the Committee's views to the Commissioners. Mr. Goode, in supporting the recommendation, pointed out that if Southend were placed under a separate Committee, chemists, from the figures at their disposal, could only anticipate heavy discounting of their accounts for the first quarter. The name of Mr. T. A. Harrison, Ilford, was added to the panel of chemists.

Huddersfield.—The local Association met on November 17, Mr. J. F. Russell in the chair. The Secretary of the Pharmaceutical Committee (Mr. R. C. Walshaw) reported that for the quarter which ended October 11 the number of Insurance prescriptions dispensed was 27,537, against 28,724 in the corresponding quarter of 1913; the cost was 97*l*. 9*s*. 1*d*., against 1,026*l*. 13*s*. 11*d*.; the average cost per head 4.99*d*., against 5.61*d*., and the average cost per prescription 8.35*d*., against 8.5*d*. The income of the Drug Fund was 1,075*l*., of which 971*l*. would be paid. For the first nine months of 1914, 70 per cent. of the chemists' accounts would therefore be paid. The stock-mixture clause was discussed and condemned, but it was decided to sign the 1915 agreements. A letter was read from the Clerk of the Insurance Committee regarding the deficiency areas, and stating that it had been suggested that in normal times all practitioners who exceed 2*s*. per head should be surcharged the excess.

Leeds.—Panel chemists have now received payment of 75 per cent. of their accounts for July, 80 per cent. for August, and 81 per cent. for September.

Liverpool.—Supplementing our report last week (p. 44) of the meeting of the Liverpool Chemists' Association, held on November 11 to discuss the present position of chemists as dispensers under the National Insurance Act, we find that forty-two members signed the attendance-book. In the unavoidable absence of Mr. H. Humphreys Jones (the President), Mr. W. F. Laycock (Vice-President) occupied the chair. Mr. G. Phillips was elected a member of the Association. The Chairman called the attention of the meeting to the presence of Mr. Paul Vincart, an Antwerp pharmacist. He emphasised the debt of Great Britain to the Belgians, and extended to Mr. Vincart a hearty welcome. Mr. Vincart responded. The Chairman announced that Mr. Charles Jackson (H. Jackson & Sons) had made a donation of 1*l*. towards the funds of the Association, and he appealed to members for further contributions, owing to the heavy drain on the funds during the year. A collection made after the meeting was liberally responded to. After a few remarks by the President, Mr. Last (Secretary of the Pharmaceutical Insurance Committee) gave a detailed account of the state of the Drug Fund:

	Accounts.	Paid.	Deficit.
	£	£	£
First quarter ...	8,362	6,271	2,091
Second quarter ...	6,480	6,155	324
Third quarter ...	5,450	4,131	1,319
	20,292	16,558	3,734

Deducting from the deficit 870*l*., representing the 5 per cent. held by the Insurance Committee, the total net deficit amounts to 2,864*l*. Mr. Last then explained the stock-mixture circular. Mr. Moreton Parry complained that the administrators of the Act had taken advantage of those least able to defend themselves. The skilled service of the pharmacist was being paid at the rate of from 8*d*. to 1*s*. per hour—considerably less than what is paid to a bricklayer. He attributed the deficiency to over-prescribing, and the only remedy is to find out who are the doctors that are responsible for this. Mr. C. E. Jones asked whether something could not be done to stop discounting. Mr. Kennedy read a letter which he had written to the Secretary of the Pharmaceutical Committee suggesting that chemists should refuse to sign the contract, and that the time had come when a vote should be taken as to the course of action. Mr. J. L. Hirst said that, owing to the conditions now prevailing, he felt strongly that pharmacists should do nothing which appeared to be unpatriotic. Mr. John Bain (Chairman of the Pharmaceutical Committee) said the situation is not hopeless, nor is it so alarming as some people imagine. He had advocated when the Act came into force that chemists should lie low for three years. There is always the possibility that the authorities would establish State dispensaries. We, as pharmacists, can tell the Insurance Committee that we shall have nothing whatever to do with ready-made stock mixtures. He proposed the resolution referred to last week. Mr. J. L. Hirst seconded the resolution, and it was carried unanimously. An amendment to the effect that chemists should refuse to sign the agreement was proposed by Mr. Kennedy and seconded by Mr. Lomax, and it was lost, only five voting for it. Mr. Harold Wyatt advocated that strong representation be made to the Commissioners against the injustice done to pharmacists. He said that of the ten stock mixtures which

it was proposed to adopt, only one, that for "White mixture," would keep. Bootle chemists did not recognise the local Formulary, which was looked upon merely as a help to prescribing by the doctors. He advocated that the members of Insurance Committees, particularly those representing the insured persons, should be educated as to what the proposal really means. The present is not the time for taking extreme measures. Mr. Sleggs suggested that economy might be effected by deleting emulsions, lint, bandages, and malt extract from the Tariff. Mr. Last also spoke.—At a meeting of the Pharmaceutical Committee on November 11 correspondence between the Committee and the Panel and Insurance Committees on the question of the supply of oxygen to the insured was submitted. It was agreed that oxygen should be considered as a drug and supplied when ordered.—The first meeting of the Pharmaceutical Service Sub-Committee was held on November 2. Councillor John Gordon was appointed Chairman, and Messrs. J. Bain and J. L. Hirst were appointed the pharmacists' representatives on the Joint Services Sub-Committee.

London.—Mr. J. Keall presided at a meeting of the Pharmaceutical Committee on November 17, when a great deal of business was transacted. A vote of condolence and sympathy with Mr. John Murison was passed. Mr. W. B. Trick was appointed a member of the Committee in place of Mr. C. T. Allen (resigned). A Sub-Committee was appointed to deal with matters arising from chemists' accounts for the first quarter, and it was reported that the Panel Committee's investigation of thirty-six cases referred to it showed that drugs and appliances ordered by eighteen practitioners were excessive, but not so in ten cases, while in eight the period of investigation was not long enough for decision, and in five no investigation could take place because the practitioners were absent on military duty. The matter of a firm of doctors in the East-end of London dispensing their own medicines through chemists was further considered, and it transpired that it will take its normal course up to the checking staff. It was intimated that no agreement with the doctors had been reached as to the stock-mixture clause. The Secretary (Mr. G. A. Tocher) reported that the average cost per prescription dispensed in the first quarter of 1913 was 6.8*d.*, against 9.7*d.* in the first quarter of 1914; the second quarters showed 7.3*d.* and 8.7*d.* respectively, the June average being 9.6*d.* and July 9.3*d.* Statistics were supplied by the Drugs and Appliances Sub-Committee relating to 262 cases of alleged excessive prescribing in May, and it was agreed to submit the facts to the Panel Committee. Three complaints against chemists were considered and ordered to be investigated. It was unanimously agreed that chemists should be recommended to forward their prescriptions unpriced to the Checking Committee, in order to facilitate payment of accounts; also that the Insurance Committee should be asked for payment of the highest possible percentage of accounts for September and October without waiting for the completion of the prescription-checking.

Middlesex.—Mr. Clement presided at a meeting of the Pharmaceutical Committee at 17 Bloomsbury Square on November 11. A letter relating to the sterilisation of dressings was considered, and the general opinion was that no payment can be made for such a purpose, but the point was referred to the Checking Sub-Committee to ascertain the attitude of the doctors and the Insurance Committee. The report of the Checking Sub-Committee was received. In the course of the discussion it was felt that, in order to avoid depletion of the Drug Fund, such things as malt and oil should not be prescribed under protected names. It was suggested that if only the Tariff price was allowed it might stimulate pharmacists to get in touch with the doctors, and thus save a considerable amount. It was decided that the Sub-Committee should consider the matter, the Committee laying it down that they could not agree that any toilet or dietetic articles should be allowed. The report of the Joint Committee on the 1915 Tariff was presented, and strong dissent was expressed in respect to the stock-mixture clause. In face of the Commissioners' refusal to omit the clause on the representations of the Insurance Committee, it was felt that for this year at least it was better to accept the clause and adopt such tactics as would nullify its effects. The report was adopted. In regard to the probable discounting in the area, it was agreed to send a circular letter to chemists on the panel explaining the position. It was suggested that the panel and pharmaceutical representatives on the Checking Sub-Committee might come to an understanding for publication as a guidance to doctors in prescribing those substances off the beaten track. The question of the supply of medicines out of the Drug Fund to insured persons who have joined the Forces was raised by Mr. Skinner, and left in the hands of the Secretary to put on a satisfactory basis.

Plymouth District.—A meeting of chemists on the Plymouth, Devonport, and Stonehouse district of Devon panels was held on November 11, Mr. A. J. Ancliffe in the chair. A letter was read from Major Waldorf Astor, M.P., stating that in response to and consequent upon the interview which he and Mr. Shirley Benn, M.P., had recently had with a deputation of the local Association (*C. & D.*, October 24, p. 54), he had seen Sir Robert Morant, and had left with him a copy of the agreed report of the interview. With regard to unpaid balances, Sir Robert had promised to consider the matter carefully and communicate with him (Major Astor). The Secretary was instructed to write Major Astor thanking him for his action. The Commissioners' circular regarding stock mixtures was considered, together with a letter from the Commissioners in reply to a communication from the Insurance Committee. The Commissioners disclaimed any intention of insisting on the operation of the clause, and stated that the adoption of stock mixtures is optional and, if adopted, the reduction of the dispensing-fee is left to the local Committee. The Pharmaceutical Committee reported that they had accepted the 1915 Tariff, including the stock-mixture clause, in consequence of urgency, but that strong hopes were entertained that the clause would not be put into operation in such a way as to reduce dispensing-fees. It was decided that a committee, consisting of the Chairman, Messrs. Roper, Erlick, and Williams, be instructed to draft a letter to the Medical Benefit Sub-Committee, stating the case for the chemists and urging the Sub-Committee not to take any action which would diminish the already low dispensing-fees. As several members had stated their intention to withdraw from the panel if the reduction of dispensing-fees was enforced, it was decided to emphasise the fact that the "completeness" of the service was dependent on the decision of the local Committee in this matter.

West Sussex.—The Medical Benefit Sub-Committee reported to the Insurance Committee on November 13 that the Panel and Pharmaceutical Committees had approved of the new agreements for 1915. These Committees had also had their attention directed to the probable inadequacy of the Drug Fund. They found that this was due partly to the increasing amount of drugs required by the insured, and partly to laxity in prescribing on the part of medical men. They recommended that the attention of medical men be drawn to the state of the Drug Fund and the necessity of conserving it. The Sub-Committee recommended that chemists be paid 90 per cent. of their accounts.

Yorkshire.—The West Riding Insurance Committee on November 14 decided, on the recommendation of the Medical Benefit Sub-Committee, that where prescriptions contain abnormal amounts of medicaments or proprietary articles they should be referred to the Panel Committee, and, if disallowed by them, the chemist should be paid for the prescriptions in question and the doctors responsible should be surcharged. Considerable discussion took place in regard to the inadequacy of the Drug Fund, and it was decided to urge upon the Commissioners the necessity of increasing the amount allowed for drugs, and to urge the Association of Insurance Committees to assist in this. The Financial Sub-Committee reported that 2,426*l.* had been paid to dispensing doctors and 3,954*l.* to chemists for 1913. The number of prescriptions for the year was 119,391, and the average cost 7.95*d.*, while the number of persons on the doctors' lists was 72,051.

SCOTLAND.

Arbroath.—At a meeting of the Insurance Committee held last week, the proposal for a Central Prescription-checking Bureau was unanimously agreed to, and it was agreed to vote 6*l.* as the Committee's share of the cost.

Dumbartonshire.—The Pharmaceutical Committee agreed to support the scheme of a Central Bureau for checking prescriptions, submitted by the Commissioners. It was intimated that the Insurance Committee had sanctioned the following arrangements between the Panel and Pharmaceutical Committees with reference to repeat prescriptions, to come into operation from January 1, 1915:

1. Repeat prescriptions are to be given a currency of the calendar month in which they are written, but if the prescription is to be dispensed in a subsequent month a fresh form, written in full, must be given by the doctor.
 2. Doctors are to specify in repeat prescriptions the particular item of the original that is to be repeated if that original includes more than one recipe.
 3. Chemists are to write on the label the date of the original prescription as written by the doctor (not the date of dispensing).
 4. A fresh prescription must be given by the doctor if the patient wishes to have the repeat dispensed by a different chemist.
 5. The Insurance Committee will delete any items in a chemist's account not in accordance with the foregoing instructions.
- Chemists' accounts for the three quarters of 1914 amounted to 998*l.* 2*s.* 11*d.*, compared with 760*l.* 4*s.* 6*d.* for the same period of 1913.

Edinburgh.—A meeting of the Insurance Committee was held on November 12, when the proposed Central Bureau for the checking of prescriptions and chemists' accounts was discussed. It was recommended by the Medical Benefit Sub-Committee that the general principle of the scheme be approved on the express condition that the Panel and Pharmaceutical Committees each bear one-third of the relative cost. Dr. Orr moved, and Dr. Dewar seconded, that the latter portion of the recommendation be deleted. Dr. Orr maintained that Parliament had made provision for this charge. Even if not, he could not see why the Panel Committee and the chemists should be asked to contribute towards the scheme, because the matter was simply one of administration by the Insurance Committee. The amount involved was not large, but he objected to it on principle. The Chairman said it was the intention of those who promoted the scheme that the doctors, chemists, and Insurance Committees should each pay a proportion of the cost, the exact proportion not being fixed meantime. Mr. Eunsou, seconded by Dr. Robertson, submitted a further amendment that the scheme be placed under the direct control of the Insurance Commissioners. Both amendments were defeated by a majority, and the recommendation was adopted by eighteen votes against six. Dr. Robertson asked if the Insurance Committee had any power to force the doctors to pay their share of the cost. The Chairman said there would be new regulations, which would probably let them know what was to be done. The Draft Tariff for 1915 as approved by the General Council of Panel Chemists (Scotland) was adopted by the Committee, who also approved of the arrangement for a quarterly break in the chemists' agreements.

Forfarshire. The local Medical, Panel, and Pharmaceutical Committees have published for private circulation a booklet of official rules for prescribing, including formulæ, which begins with a letter by Dr. Burgess, Secretary of the County Local Medical and Panel Committees, dealing with excessive prescribing, official prescription-paper, signing of prescriptions, repeating them, private code prescriptions, and articles which are not to be prescribed (patent medicines, proprietary articles, medicated wines, mineral waters, invalid-foods, disinfectants, serums, vaccines, and phylacogens). A list of these and prohibited appliances is given in the letter, and other special instructions to panel doctors. Then follow a "List of Proprietary Preparations and Non-proprietary Equivalents" and prescriptions for gargles, liniments, lotions, mixtures, pills, powders, ointments, and tablets. The booklet can be obtained by chemists in the district, by post for 1s. 1d., from Dr. Burgess, 13 New Road, Forfar, or from Mr. G. Forbes Johnston, 154 Brook Street, Broughty Ferry. The Pharmaceutical Committee do not entirely approve of the booklet, and several medical practitioners have expressed their disapproval. Accordingly a largely attended meeting of panel chemists in the county was held in Mather's Hotel, Dundee, on Wednesday evening, November 18, when it was unanimously resolved to intimate to the Panel Committee and the Insurance Committee that Scottish panel chemists had already resolved to continue pharmaceutical service on the revised Drug Tariff, with quarterly break in agreements (as approved by the Scottish Insurance Commissioners), and could not agree to the undesirable practice of countenancing stock medicines or any interference with the Tariff arrangements as to dispensing-fees. It was explained that the position of the Pharmaceutical Committee and the powers of the Panel Committee had not been clearly understood: further, that the former had never been properly consulted and had not realised the nature of the action taken by the Panel Committee. At the same time, the first fifteen pages of the booklet, dealing with prescribing of proprietary medicines and extravagant prescribing, were cordially approved, and it was considered that these rules should be issued for the guidance of both doctors and chemists.

Glasgow.—The panel chemists have had under consideration, and have prepared a statement of their views on, the memorandum by Mr. William Jones, Clerk to the Insurance Committee, on the proposed Prescription-checking Bureau for Scotland (*C. & D.*, November 14, p. 46). They contend that the proposed combination will not supersede local government, but will render it more effective and economical, that the work of the Bureau will be purely ministerial, and it will have no executive or administrative powers. Many other matters related to the proposal are dealt with, but it suffices to state that the panel chemists favour the proposal.—The Insurance Committee met on November 12. The minutes of the Medical Benefit Sub-Committee stated that, with a view of removing any difficulty which insured patients of homœopathic practitioners might have in obtaining drugs or appliances, and having regard also to the relatively small number of persons involved, the Sub-Committee agreed to recommend that

arrangements be made that such practitioners should supply the necessary drugs and appliances at a capitation-fee of 1s. per insured person per annum. The Medical Benefit Sub-Committee also recommended that the Committee disapprove of the proposed Central Prescription-checking scheme. Mr. J. P. Gilmour, in moving that the scheme be approved, said that the members of the Committee must understand that the scheme in question did not emanate from the Commissioners, but was laid before the Commissioners in July 1913 by a deputation from the Pharmaceutical Standing Committee, who pointed out the need for it and produced conclusive evidence of (a) the prevalence of great abuses, due largely to the absence of checking, and (b) to the impracticability of Regulation 40, unless a proper analysis is provided. The Commissioners were unable to consider the matter at the time, owing to lack of administrative funds in the case of the majority of the Committees. The Commissioners then suggested that the chemists should take upon themselves the checking, which suggestion was rejected, as it was obviously the duty of the local Committees. Subsequently the abuse of the Drug Fund in several areas, notably in Aberdeen, forced the Commissioners to take action, and they obtained a Treasury grant for a special inquiry, which was ably conducted by Dr. J. F. Tocher, whose report conclusively proved that such abuses could only be successfully countered by an efficient checking system. Mr. Gilmour emphasised the fact that while panel chemists were willing to contribute one-third of the cost of a system of which they approved and in the administration of which they had a share, they could not be expected to defray any part of the cost of a system which to their minds was insufficient for the purpose in view. A long discussion ensued, and the members were evidently strongly influenced by the Clerk's memorandum on the subject (*C. & D.*, November 14, p. 46), and also by a communication from the Panel Committee conveying a resolution disapproving of the scheme on the ground that the local checking was still on trial and that the present was not the time for any radical change. Dr. C. E. Robertson stigmatised the scheme as a design on the part of mercenary chemists to enrich themselves at the expense of the insured. Eventually the Sub-Committee's recommendation was carried by twenty-five votes to five.—It is understood that a strong protest against the decision will be lodged with the Committee and also with the Scottish Commissioners.

Kincardineshire.—The Insurance Committee on November 14 agreed to support a Central Prescription-checking Bureau.

Midlothian.—The Insurance Committee have approved of the Central Prescription-checking Bureau scheme.

Perthshire.—The Panel Committee has considered a report of the Pharmaceutical Committee with reference to extravagant prescribing, and decided that no practitioner be surcharged for any proprietary medicine ordered previous to June 11.—Mr. Donald presided at a meeting of the Perthshire Association held in Perth on November 11. After full discussion, it was unanimously agreed to approve of the Draft Tariff for 1915, and recommend all members to accept service accordingly. Disappointment that Scottish Tariff terms for dispensing and abolition of discounting had not been included was expressed. Mr. Forbes dealt at some length with the work of the Pharmaceutical Standing Committee (Scotland). The Secretary advocated the setting-up of the proposed Checking and Pricing Bureau, and instanced many cases to prove the urgent necessity of such a department. The one-mile limit, cost of bottles and postages in rural areas was also discussed, and the hope was expressed that the Commissioners would make some provision for this outlay at an early date.

WALES.

Cardiff.—The Insurance Committee met on November 13, when the Draft Tariff for 1915, including the stock-mixture clause, was adopted, with an expression of regret as to the clause.

Montgomeryshire.—The Insurance Committee intimate that the cost of drugs for 1913 was within the 1s. 6d. per insured person allowed, and that chemists' accounts have been paid in full, leaving a small balance to be carried forward. The accounts for the first three quarters of the current year show an increase of 16l. compared with the corresponding period of last year.

LISTER INSTITUTE.—The Right Hon. Sir Henry E. Roscoe presided on Wednesday, November 18, at a meeting of members of the Lister Institute, which rejected a proposal to authorise the governing body to effect an amalgamation with the Committee for Medical Research, established under the National Health Insurance Act, 1911, with clauses provisionally agreed to by the Treasury.

WINTER SESSION

of Meetings of Trade Associations.

Others are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Birmingham.—The first Council-meeting of the Birmingham Pharmaceutical Association was held on November 13, when the following officers were elected: *President*, Mr. E. W. Mann, F.C.S., F.I.C.; *Vice-Presidents*, Messrs. H. Critchlow and W. Izon; *Treasurer*, Mr. Jeffrey Poole; *Librarian*, Mr. F. H. Alcock, F.I.C.; *Auditors*, Messrs. F. W. Smallwood and W. M. Bramley; *Hon. Secretary*, Mr. F. Smith.

Chemists' Assistants' Association.—In the absence of the President (Mr. W. Roberts), who is attached to the R.A.M.C., Mr. G. A. Tocher took the chair at the meeting held on November 12 at 17 Bloomsbury Square, London, W.C. The meeting discussed the question, "Should Pharmacists be given Commissioned Rank in the R.A.M.C.?" The Chairman opened the discussion in the affirmative, and was followed by Mr. C. W. Gosling, who was also in favour of it, provided steps are taken to become proficient in questions of drill, first aid, and field-service work. Sergeant Cowie, R.A.M.C., explained very fully the work which had to be carried out by members of the Corps. The general opinion of the meeting was that the status of the pharmacist is not adequately recognised, but a resolution on the subject was reserved for a future meeting.

Ealing.—A whist-drive in connection with the Ealing Pharmacists' Association was held at Buol's Restaurant, Ealing, London, W., on November 11, when 109 pharmacists and their friends were present. Mr. Arnold Roberts (Acton) was master of the ceremonies, and the Prince of Wales' National Relief Fund benefited to the extent of 1*l.* 17*s.* 3*d.*, the profits of the evening. The ladies' prizes were won by Mesdames Harrison, Norris, Drayton, and Barton, while the gentlemen's awards went to Messrs. Packham, Robinson, and Smith. The prizes were presented by Mrs. Geo. W. Udale, and a vote of thanks was passed to Mr. Roberts and his Committee.

Eastbourne.—A meeting of the Eastbourne Pharmacists' Association was held recently. Mr. H. C. Browne was in the chair, and there were also present nine members and Mr. D. Marchant (Hon. Secretary). The stock-mixture clause in Insurance dispensing-contracts was discussed, which it was agreed it is impossible to accept. The Panel Committee has agreed that the doctors shall write "Aqua font." when they require tap-water to be used in their prescriptions, and the Committee has further agreed that the stock-mixture clause shall remain inoperative for a year.

Edinburgh.—The opening meeting of the thirty-seventh session of the Edinburgh Chemists', Assistants', and Apprentices' Association was held at 36 York Place, Edinburgh, on Wednesday evening, November 11, Mr. W. Lockerbie Thomson, B.Sc. (Vice-President), in the chair. Mr. Arthur Cairns (Interim Secretary) submitted the report on the summer session, which was devoted to botanical excursions and a demonstration-meeting, and thanks were accorded to the gentlemen who had assisted in them. The Chairman then explained that the President (Mr. B. M. Brander) had joined the staff of THE CHEMIST AND DRUGGIST, and was unable to leave London to deliver his opening address, but it had been forwarded, and he proceeded to read it. The address was entitled "Topics of the Hour," and dealt with the new B.P., Insurance Act dispensing, the effect of the war on British chemical-industry, the supply of vegetable drugs, and commissions for pharmacists in the R.A.M.C. After a vote of thanks had been passed to the President, Mr. J. Rutherford Hill presented the following prizes to members of the Association: The J. L. Ewing Pharmacy Prize (value 1*l.* 1*s.*) to Mr. E. F. McGill (73 Gilmore Place); second prize (given by Mr. W. Aitken) (value 10*s.* 6*d.*) to Mr. H. B. Hunter (94 Morning-side Road); Dr. John Cumming Prize (value 1*l.* 1*s.*) to Mr. D. S. Henderson (33 Ferry Road, Leith); the Innes Frazer Prize (value 1*l.* 1*s.*) to Mr. H. B. Hunter (94 Morning-side Road); second prize, given by Mr. B. M. Brander, to Mr. H. Pitullo (190 Morrison Street); the MacEwan Prizes to Mr. D. S. Henderson and Mr. A. Cairns. The following elections were made: Mr. W. Lockerbie Thomson, B.Sc., *President*; Mr. David Grieve, Ph.C., *Vice-President*; and Mr. Arthur Cairns, 16 Comely Bank Place, *Secretary*.

Exeter.—A meeting of the Exeter Pharmacists' Association was held on November 17 to discuss the stock-mixture clause. The matter was postponed pending a reply to a letter of protest which had been sent to the Insurance Committee. The President (Mr. Eric Lemmon), as Secretary

to the Pharmaceutical Committee, reported upon the Committee's negotiations in regard to the Draft Tariff for 1915. He had been informed that if the drug-bills for next year are not more than 100*l.* in excess of this year's, money will be forthcoming to meet them. It was decided to support a fund being raised for the widow of the late Mr. S. J. Shapley.

Grimsby.—A special meeting of the Grimsby Pharmacists' Association was held at the Oberon Hotel on October 23 to consider the stock-mixture clause of the drug contracts.—Another meeting took place on November 9, at which a strong protest was made against the action of the Insurance Commissioners.

Harrow.—A meeting of the Pharmacists' Association was held on November 12, when Messrs. Brumwell, Cherry, and others gave short addresses explaining the advantages of belonging to the United Chemists' Association, Ltd. The methods of Ucal, Ltd., were explained in detail, and specimen packets and circulars were passed round. A hearty vote of thanks was awarded to the Ucal visitors.

Hartlepool.—A meeting of the Hartlepool Pharmacists' Association was held in the Oddfellows' Hall on November 10, Alderman T. Clarkson in the chair. There were also present nine members and Mr. A. Timmins (Hon. Secretary). Mr. A. Timmins was elected to represent the Association on the local War Fund Committee. It was decided to support the campaign of the S.W. London Pharmaceutical Association regarding the adequate protection of prices of proprietary articles. A report was given by the three representatives appointed to meet representatives of the Panel Committee and the Insurance Committee. The questions dealt with at this conference were the discontinuance of the use of distilled water and the introduction of stock mixtures. Both these propositions were opposed. The meeting approved of the action of the chemists' representatives, and a letter was drawn up which the Secretary was instructed to send to the Clerk of the Insurance Committee, setting forth the objections to the adoption of the practices referred to.

Lancaster.—A meeting of the Lancaster Chemists' and Druggists' Association was held at the King's Arms Hotel, Lancaster, on November 12. Mr. F. N. Whitehead (the President) was in the chair. There were also present twelve members and Mr. J. B. Shattock (Hon. Secretary). Satisfaction was expressed at the election of Councillor John Birkett as Mayor of Morecambe, and the re-election of Councillor W. Briggs, J.P., as Mayor of Lancaster. The chief business was the consideration of the Drug Tariff for 1915. The members agreed that it is highly desirable that a uniform Tariff should be adopted for the whole country, and a resolution was passed urging the Lancashire Insurance Committee to adopt the Tariff which has been approved by the Commissioners. The question of stock mixtures was discussed, the consensus of opinion being against the proposals of the Commissioners, and the Secretary was asked to intimate that the Lancaster chemists opposed the stock-mixture clauses very strongly as detrimental to the interests of insured persons. The discounting clause in the Tariff created considerable dissatisfaction. In Preston only 50 per cent. has been paid, and in Lancaster the chemists have received 66 per cent. of their drug accounts for the last six months. They think they should have 75 per cent. In consequence of the war, the annual dinner will not be held this winter.

London (E.).—A meeting of the East London Pharmacists' Association was held at the Limehouse Town Hall on November 12, the President (Mr. G. W. Hatfield) in the chair. The question of signing National Insurance contracts for the year 1915 was discussed, and it was decided to take no action pending the report of the Executive Committee. The proposed new retail price-list then came under review, and it was decided to adopt it, subject to acceptance by the multiple-shop companies carrying on business in the district. The proposal to institute earlier hours of closing met with no opposition. It was decided to close on Fridays at 10 P.M., Saturdays at 11 P.M., other weekdays at 9.30 P.M., and to limit Sunday hours to 7 till 9; the new arrangement to come into force from next January. These decisions are to be communicated to drug-store proprietors and pharmacists who are not members of the Association. The meeting was then addressed by representatives of Ucal.

London (N.).—The first of the sub-district social meetings of the North London Pharmacists' Association was held on November 12. Some twenty members and their wives gathered at 16 Priory Gardens, Highgate. A paper was read by Mr. Skinner on *Words and their Ways*, on which a most interesting discussion took place. Refreshments were served, and afterwards the evening was given over to a musical programme, the contributors being Miss

Jennings, Mrs. Hearle, Mrs. Skinner, Mrs. Mallard, and Messrs. Bowie and Anderson. It was agreed that the innovation was so successful as to warrant an extension during the season.

London (S.E.).—Mr. J. Y. Fairweather presided at a meeting of this district Pharmacists' Association on November 12, when, on the motion of Mr. A. J. Wing, the Executive Committee's action in regard to the stock-mixture clause was supported. A discussion on the evils of the discounting clause followed, and a Sub-Committee was appointed to confer with panel doctors in a friendly manner. Mr. J. Milner urged the desirability of holding more district meetings on the lines of the recent Greenwich meeting, which was successful in bringing about an accepted price-list of non-protected proprietary articles, discontinuance of breaking bulk in retailing certain patent pills, and half an hour earlier closing in the Greenwich district.

Manchester.—At a meeting of the Council of the Pharmaceutical Association on Wednesday, November 11, Mr. James Grier, M.Sc. (President), on behalf of the old Pharmaceutical Committee on Insurance, presented Mr. F. W. Bates (Chairman of the Pharmaceutical Committee) with a silver cigar-case, as a token of regard and esteem and in recognition of his services to Manchester chemists. Mr. Bates expressed his gratitude for the honour conferred upon him and for the handsome gift, which he said he would always treasure. After the presentation, the President read a report as to the suggestions made for improving the conditions attached to the Manchester Scholarship, and Mr. F. W. Bates's name was added to the Sub-Committee. Mr. Blain, as representative on the local Relief Fund Committee, explained what is being done with regard to the giving out of books of prescriptions for dependants, and reported that chemists in various parts of the city are dispensing these prescriptions. It was decided that Mr. T. Swindell's lecture on Old Manchester on December 9 should be open to ladies.—The members of the Association met at the Albion Hotel, Piccadilly, on the same day. Mr. Grier presiding, when Mr. J. Shacklady, F.C.I.S. (Evans Sons Lescher & Webb, Ltd.), delivered a lecture on *Book-keeping for Pharmacists*. He explained the books which ought to be kept, and gave many interesting examples from his own experience of various systems of bookkeeping he had come across, from which he had evolved what he considered the best. The necessity of chemists taking stock was very fully dealt with, also the making out of income-tax returns. Mr. Shacklady said that the great majority of chemists pay too much income-tax, and they submit in many instances to assessments against which, if they had properly kept books, they would be able to appeal successfully. The income-tax assessors get as much tax as possible, and the only way to combat that is to be able to furnish them with such figures as would support the claims of the appellant. The lecture evoked a good discussion, in which Messrs. Bates, Mallinson, Bygott, Griffiths, Hershberg, and Dickson took part. The President, in thanking the lecturer, said the meeting had been eminently satisfactory.

Middlesex.—A meeting of the Middlesex Pharmaceutical Association was held at 17 Bloomsbury Square, London, W.C., on November 11, Mr. John Humphrey in the chair. The question of the stock-mixture clause in the new drug-contracts was considered, with a view to securing uniformity. The resolution regarding fair profits on proprietary articles, which has been approved by the District Associations, was adopted, and steps are to be taken to make it effective. It was agreed to print the constitution of the Association and a list of fixtures for circulation among members.

Newcastle-upon-Tyne.—A meeting of the Newcastle-upon-Tyne Pharmacists' Association was held on November 11 at the Temperance Institute, Mr. H. Noble (President) in the chair. In the absence of Mr. R. Bryson, who was unable, on account of illness, to attend, his paper, *Insurance Checking: Observations, Comments, and Suggestions*, was read by the President. Instances were given of carelessness in the pricing of prescriptions, especially with regard to the omission of dispensing-fees and the neglect to charge for poison-bottles. In regard to stock-mixtures, chemists were urged, as it had been already arranged with the Insurance Committee, to price the ingredients therein at Tariff rates, plus dispensing-fee. A vote of thanks was accorded to Mr. Bryson for his paper, and to Mr. Noble for reading it.

Nottingham.—Mr. A. Middleton presided at a meeting of the Pharmaceutical Association held on November 18, when Mr. H. Clifford Prince opened a discussion on the new Pharmacopœia, briefly epitomising the changes. The use of the metric system only was deplored. As was also the alteration in the strengths of tr. opii and tr. strophanthi. It was decided to send a resolution to the Pharmaceutical

Society representing that, for the safety of the public, "laudanum" should not be included in the new B.P. as a synonym for tr. opii. The recognition of pharmacists on the authoritative body of future Pharmacopœias was strongly urged. Mr. Prince was cordially thanked.

Oldham.—A meeting of the Oldham Pharmaceutical Association was held at the Café Monico on November 10, Mr. W. Gartside (President) in the chair. There were also seventeen members present. Mr. F. Pilkington Sargeant addressed the meeting on the *Pharmaceutical Outlook*, which was followed by a discussion. A vote of thanks to the lecturer was unanimously passed.

Royal Society of Aits.—The opening meeting of the session was held on November 18, when the Chairman of the Council (Sir Thomas Holdich) delivered his inaugural address. After referring to the work of the Society, and particularly to its educational work and examinations, the lecturer gave a most interesting discourse on "Map-making." Thereafter the medals awarded by the Society for papers read at ordinary meetings were presented by the Chairman; among the medallists were Mr. John C. Umney, F.C.S., Ph.C., who received the medal awarded to him for his lecture on "Perfumery," and Mr. E. Halford Ross, for his work on "House-flies and Disease." Mr. E. Halford Ross was not present to receive his award, the Secretary announcing that he is on active service in France.

West Ham.—A meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held at Forest Gate, London, E., on November 12, the President (Mr. E. Miller) in the chair. Mr. Potter reported on the work of the West Ham Pharmaceutical Committee, especially in regard to the steps taken to find out where extravagance in prescribing is being practised. The Panel Committee so far has declined to move in this matter. Mr. Potter urged pharmacists not to prepare and keep stock mixtures, as such conduct is entirely against the intention and spirit of the National Insurance Act. He praised the way the Hon. Secretary (Mr. J. Kirkpatrick) had carried out the correspondence involved in this matter. Mr. Matthews referred to the decision of the Executive of the Essex County Association. Mr. Blades gave some practical notes in regard to the time-value of the pharmacist's work in connection with dispensing, and he said that supposing the half-fee should come into force, the amount of 1d. deducted is too much in comparison with the actual time saved by using stock mixtures. During a discussion on the decisions of the Pharmaceutical Associations Executive Committee, Mr. Mays asked when the deputation to Mr. Masterman would take place; and Mr. Matthews suggested that the report of Mr. Kirkpatrick and Mr. Potter should be summarised and submitted to the deputation. It transpired that the correspondence referred to has been already sent to the Pharmaceutical Society. The meeting decided that, owing to the war, members should continue on the panel for the present. In view of the fact that the representation of chemists is unsatisfactory on National Relief Committees, it was agreed to lay the matter before Mr. Pease by letter and deputation.

Wrexham.—The annual meeting of the Wrexham and East Denbighshire Chemists' Association was held on November 11 at Wrexham. Mr. C. G. Caldecott in the chair. Mr. Caldecott was elected *President* and *Treasurer*. Mr. F. Fitzjohn *Vice-President*, and Mr. J. W. Richardson *Secretary*. Messrs. Thomas (Wrexham), Mawer (Ruabon), and Mason (Cefn) were elected members. It was arranged that in future the meetings be held quarterly, with special meetings when necessary. Objections were formulated to the stock-mixture clause in Insurance dispensing-contracts, and it was resolved to oppose any attempt to introduce a Formulary in Denbighshire. The Secretary reported that the Commissioners had confirmed their ruling that the travelling expenses of members of Pharmaceutical Committees attending meetings of the Committee could not be paid out of funds accruing under Section 33 (2) of the 1913 Act, and that a proposal had come from the West Denbighshire Association suggesting that the expenses of the Pharmaceutical Committee members should be pooled, and that each Association should pay half the amount. It was pointed out that the West Denbighshire Association sends six members to the Pharmaceutical Committee, while East Denbighshire sends only four. After some discussion, it was agreed that the funds should be pooled, the two Associations in the county bearing the cost in proportion to the number of members sent to the Pharmaceutical Committee.

THE KIDNEY-FAT of every sheep or goat slaughtered in Afghanistan is a Government perquisite, and is sent to the Amcer's soap-factory. It is there made into a kind of coarse soap in the most economical manner.

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," November 11, 1914.)

- "BRYCOL"; for an antiseptic and disinfectant solution (2). By Robinson Bros., Ltd., Phoenix Street, West Bromwich. 363,237.
- "FORMELOIDS"; for medicated throat and chest lozenges (3); "REGETHERM"; for metal goods (13). By Regesan, Ltd., 7A Laurence Pountney Hill, E.C. 363,465/783.
- "OXYDOL"; for peroxide of hydrogen (3). By Oxydol (1914), Ltd., 4 London Wall Buildings, E.C. 363,473.
- "PETRESOL"; for medicinal chemicals (3). By Tokalon, Ltd., 212-214 Great Portland Street, W. 363,559.
- "LIMPIDOL"; for medicine (3). By the Standard Tablet and Pill Co., Ltd., Hove. 363,692.
- "CLARDELL"; for embrocations (3). By Annie E. Tweddell, Ravenswood, Fairfield Road, Derby. 363,798.
- "ANGLOPIRIN"; for medicinal chemicals (3). By C. Philip, 23 High Street, Herne Bay. 363,801.
- "ASPOSAL"; for medicinal chemicals (3). By Arthur H. Cox & Co., Ltd., Brighton. 363,957.
- "ALLIES"; for spectacle, etc. (8). By Anglo-American Optical Co., 1A-14A South Hill Park, Hampstead Heath, N.W. 363,761.
- "PARVIESQUE"; for a non-medicated spray-producer (11). By C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C. 363,490.
- "PROTOLAK"; for a food (42). By Chilvers, Johnson & Co., 542 High Road, Leytonstone, N.E. 363,251.
- "SAGESSE" and "SOCRATE"; for food substances (42). By H. Autran, Ltd., 4 George Lane, E.C. 363,641/2.
- "SUCCORA"; for a preparation for sweetening and flavouring beverages (42). By W. Duckworth, Chester Road, Manchester. 363,749.
- "VEBOL"; for food substances (42). By J. Crosfield & Sons, Ltd., Warrington. 363,931.
- "LAI TOGEN"; for food substances (42). By J. Murison, 65 Harwood Street, N.W. 364,004.
- "COOLIE"; for lubricating oils and greases (47). By the County Chemical Co., Ltd., Bradford Street, Birmingham. 363,468.
- "ESKEE"; for all goods (47 and 48). By Selfridge & Co., Ltd., 400 Oxford Street, W. 364,081/2.
- "GLARKO"; for grease-paints and cosmetics (48). By W. B. Clarkson, 41 Wardour Street, W. 363,513.

Trade-marks of Alien Enemies.

CASES DECIDED.

"Globo" metal-polish (sixteen marks). Applicants, Raimes & Co., Ltd. Registration suspended in favour of applicants. (C. & D., October 3, p. 41.)

"Lysol" (98,948). Applicants, Robert Young & Co., Ltd. (C. & D., October 17, p. 41); A. H. Lyman and J. J. Bowater (C. & D., October 17, p. 41); W. Cooper & Nephews (C. & D., November 7, p. 40); and B. L. & N. Phillips, Ltd. Registration avoided.

Lysol device (98,947). Applicants, Robert Young & Co., Ltd. (C. & D., October 17, p. 41). Application refused.

Patents of Alien Enemies.

Among the applications to avoid or suspend patents is one by A. Boake, Roberts & Co., Ltd., in regard to the manufacture of hydrosulphites (8,816/05). The hearing is on November 30.

Re G. R. BRAY, late of the Strand, Bude, Chemist and Druggist.—At the London Bankruptcy Court on Thursday, November 19, the first meeting of creditors of this debtor was held, and in the absence of any proposal the case was left with the Official Receiver to be wound-up in bankruptcy.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., November 19, 6.30 p.m.

THERE is a fair amount of activity in chemicals and drugs both on home and export account, and although prices for some articles remain unsettled, others are now on a moderate basis. The opium alkaloids remain strong, especially codeine, the demand for which is greater than the supply. Turkey opium is nominal in the absence of sellers. Persian galls and tragacanth are selling at higher rates, as the prospects of further supplies are remote. Cubebs stocks have been practically cleared for export, only stalky quality offering at advanced rates. Star anise and Japanese mint oils have been selling at cheaper rates for shipment. Japanese refined camphor is easier. Digitalis, gentian, and eucalyptus oil are also a trifle cheaper. Ipecacuanha maintains its advance, with a good demand. Menthol is steady and milk-sugar tending firmer, with Dutch supplies falling off. Japan wax is dearer.

Higher	Firmer	Easier	Lower
Codeine	Citric acid	Camphor	Anise oil
Cubebs	Ipecacuanha	(Jap. ref.)	(star)
Galls (Pers.)	Milk-sugar	Cloves (spot)	Cream of
Peppers	Quicksilver	Cocaine	tartar
Shellac	(seconds)	Copper	Digitalis-
Toluol		sulphate	leaves
Turnerite		Gentian	Eucalyptus oil
Turpentine		Palm oil	Glucose
Wax, Japanese		Phenazone	Mint oil (Jap.)
		Potashes	(e.i.f.)
		Tartaric acid	Vanillin

Cablegram.

NEW YORK, November 18.—Opium is steady at \$9.25 per lb. for druggists' quality in single cases. Menthol is 15c. dearer at \$2.55 per lb. Peppermint oil in tins is steady at \$1.40. Long buchu-leaves are easier at \$1.30. Cascara sagrada is steady at 7½c., and Cartagena ipecacuanha is easier at \$1.80. Copaiba balsam is steady at 37c. per lb. for South American.

London Markets.

ACETATE OF LIME.—Grey 80-per-cent. is dearer at 10l. per ton.

ACETIC ACID.—Although makers are still booking orders at unchanged rates for the remainder of this year, the market for acetate of lime is firmer, and higher prices are asked, which fact will have to be taken into consideration when quoting for next year's contracts. Glacial 99 to 100 per cent. is offered at 42l. 10s., and at 29l. for 80-per-cent. commercial in casks.

ACETYL-SALICYLIC ACID remains firm at 6s. to 6s. 6d. per lb.

ALMONDS.—Persian sweet are offered at from 105s. to 110s. and bitter at 95s. to 97s. 6d. per cwt.

ANISE OIL (STAR).—"Red Ship" brand is offered at 5s. 4d. per lb. on the spot, being 2d. cheaper, and for December-January shipment 3s. 6d. to 3s. 7d. e.i.f. has been paid.

BARBITONE is offered at from 25s. to 27s. per lb.

BERGAMOT OIL is quoted at 14s. 8d. per lb. spot, and 14s. for January-April shipment.

BISMUTH.—We note an arrival of 74 boxes of the metal from Philadelphia on behalf of the Bismuth Syndicate.

CALUMBA.—Quiet, with common dull dusty offering at 15s. per cwt., this description being plentiful. Good bright natural is scarce, and worth about 27s. per cwt.

CAMPHOR (REFINED).—Japanese is steady, 2½-lb. slabs selling at 1s. 11d. per lb., 1-oz. tablets at 2s. 2d. spot; for December-January shipment 1s. 11d. c.i.f. is quoted, being slightly easier.

CANNABIS INDICA.—Small sales of genuine Bombay tops have been made at 6s. 2d. per lb. on spot.

CANTHARIDES.—Russian are offered at 9s. to 10s. per lb. c.i.f., subject to safe arrival.

CASCARA SAGRADA.—Very quiet, with four-year-old bark offering at 38s. to 40s. on the spot, and new at about 36s.

CINCHONA.—At auction on Tuesday 599 bales and two bags East Indian bark offered, and practically all bought in.

CITRIC ACID rather firmer, and in better spot demand at from 2s. 6d. to 2s. 7d. per lb.

CLOVES are quiet and easier on spot, Zanzibar offering at 7½d. to 7¾d.; to arrive sellers of October-December shipment quote 5¾d. c.i.f. d.w.

COCAINE is rather easier at from 7s. 6d. to 9s. per oz. for hydrochloride.

CODEINE.—Makers are unable to book forward contracts, and can only supply very limited quantities for prompt delivery. Business has been done at 17s. 6d. per oz. net for pure crystals, and 18s. is asked.

COD-LIVER OIL.—Our Bergen correspondent writes on November 9 that the market is quiet, with a few small transactions, the quotation for finest non-congealing medicinal quality being 71s. per barrel c.i.f. terms. For small spot lots from 75s. to 80s. is quoted for finest quality.

COPPER SULPHATE is easier, with the usual Liverpool brands offering at 19l. 10s. per ton for prompt delivery.

CREAM OF TARTAR is nominal at from 150s. to 155s. for prompt delivery.

CUBES.—The market has been practically cleared of good quality for export, and an advance of 10s. per cwt. is asked.

CUTTLE-FISH BONE.—Bold pale East Indian is scarce and wanted, but there is a good supply of small broken, with sellers at 2d. per lb.

DEXTRIN.—Tending firmer at from 18l. to 18l. 10s. per ton ex wharf.

DIGITALIS-LEAVES are cheaper, fair green offering at 52s. 6d. per cwt. on spot.

ERGOT.—Further small sales of sound Spanish have been made at 3s. per lb. spot.

EUCALYPTUS OIL.—Very quiet, with a fair stock. B.P. quality is obtainable at 1s. 3d. per lb.

FARINA.—Tending firmer at 14l. per ton ex wharf.

FORMALDEHYDE.—Demand remains fairly heavy, with price unaltered at 60s. per cwt. for 40-per-cent.

GALLS.—A fair quantity of Persian blue has been sold on the spot at up to 72s. 6d., but sellers now ask an advance of 5s. Further arrivals from the Persian Gulf appear remote.

GAMBOGE is steady at 12l. 10s. per cwt. for fair partly blocky Siam pipe.

GENTIAN.—The recent arrivals enable sellers to offer at the easier rate of 34s. per cwt.

GUAIACOL CARB. is offered at 8s. 6d. per lb.

IPECACUANHA continues in very fair demand, Matto Grosso having sold at from 9s. to 9s. 6d. per lb. and East Indian at 3s. 6d., with holders asking a further advance. Cartagena has been sold at from 6s. 6d. to 6s. 9d. Minas is practically non-existent.

LEMON OIL remains unaltered at the recent advance, with good brands on the spot offering at 5s. 3d., prompt shipment at 4s. 9d., and new crop at 4s. 6d. c.i.f. Terpeneless is offered at 70s. per lb. spot.

LITHIA CARB. is offered at from 3s. 9d. to 4s. per lb. for American.

LYCOPodium is offered at from 3s. 9d. to 4s. per lb.

MASTICH, which earlier in the war was selling at from 4s. to 4s. 6d., is now quoted at about 6s.

MENTHOL is steady at from 11s. to 11s. 6d. per lb. as to brand. For January-March shipment business has been done at 8s. c.i.f., also oil for December-January shipment at 2s. 10½d. c.i.f.

The exports from Japan for the eight months ended August 31 are as follows:

	1912	1913	1914
Kin ...	78,033	138,383	226,545
Yen ...	833,074	1,926,290	1,572,254

The destinations were as follows:

	1912	1913	1914
	Kin	Kin	Kin
British India ...	5,683	6,524	10,399
Great Britain ...	18,658	39,517	37,049
France ...	6,525	21,705	17,829
Germany ...	30,860	47,077	82,600
U.S.A. ...	15,130	18,139	71,562
Other countries ...	1,177	5,421	7,106
Kin ...	78,033	138,383	226,545
Yen ...	833,074	1,926,290	1,572,254

The exports of *mint oil* from Japan during August were 451 kin, valued at 1,554 yen (July, 8,164 kin), and for the eight months (January-August) the figures are as follows:

	1912	1913	1914
	Kin	Kin	Kin
... ..	103,819	180,552	228,714
... ..	370,942	704,986	696,162

MILK-SUGAR is firmer, at from 82s. 6d. to 85s. per cwt. for best powdered. Poor quality is offered at much less. Imports *via* Holland have fallen off to a great extent during the past fortnight.

MINT OIL.—The spot price of Japanese dementholised is now 3s. 6d., and for December-January shipment 2s. 10½d. c.i.f. has been paid.

OILS (FIXED).—*Linseed* is dearer at 24s. 3d. in pipes and 24s. 9d. in barrels on spot. *Coconut* oil is quiet, at 48s. for Ceylon and 56s. for Cochin on spot; London-pressed for November-December delivery is 41s. 6d. *Cottonseed* is firm and unchanged at 25s. to 25s. 6d. nominally for crude in pipes on spot; pale refined in pipes on spot is 25s., sweet in barrels 30s., and American sweet p.s.y. 30s. net ex wharf. *Rape* is unchanged at 31s. for ordinary brown crude, and at 34s. 3d. for English refined in barrels. *Lagos Palm* is easier at 29s. 3d. to 29s. 6d. in Liverpool. *Turpentine* is dearer on the week, closing at 35s. 6d. for American on the spot. *Petroleum* is 7½d. for ordinary refined American, 8½d. for water-white, and 8½d. for Russian on spot. Manchurian *Soya* in cases is 22s. c.i.f. for December-January.

OPIMUM.—There appears to be no sellers of Turkey druggists' on spot, and the value is nominal at 25s. per lb. for 11-per-cent. Persian is offered at from 15s. to 21s. spot, as to test.

ORANGE-PEEL.—Quite retail sales of Tripoli strip have been made at 2s. 6d. per lb. An arrival of 40 cases sweet peel has taken place from Sicily.

OXALIC ACID is firm and by no means plentiful at 8d. to 8½d. per lb.

PEPPER.—Very firm and dearer, black Singapore on a brisk demand having advanced to 6½d. and buyers; October shipment has been sold at 5¾d., and November-December at 5¾d. c.i.f. Lampong on spot has been sold at 6½d. to 6¾d. and Tellicherry at 6½d., also December-January shipment at 48s. c.i.f. d.w. *White* Singapore is dearer at 11½d. spot; for November shipment sellers quote 9½d. and December 9½d. c.i.f. Muntok has been sold at 1s. 0½d. spot, near at hand at 1s., October shipment at 11d., and November at 10½d. c.i.f. d.w.

PEPPERMINT OIL.—Spot sales of American in bulk have been made at 6s. 9d. to 7s. per lb. net, and to arrive 6s. is quoted. H.G.H. is quoted 12s. 6d. London terms.

An auction of 25 cases, or 1,500 lb., described as "American oil of mint," was held at 16 Norton Folgate, Bishopsgate, E. The oil had the appearance and smell of Japanese; the tins were not labelled or branded; the cases, which were new, were merely stencilled with the words "Wayne County Peppermint Oil," and bore no port marks, rotation numbers, or figures of any description. The oil was "sold on account of whom it may concern by order of shippers ex London Docks," and realised from 5s. to 5s. 6d. per lb. (the bulk going at 5s. 3d.), figures which exceeded its value.

PHENACETIN is quoted at 6s., but is becoming scarcer.

PHENAZONE.—Owing to the fact that larger quantities have come to hand, market is easier at 9s. 6d. to 10s. 6d. per lb.

POTASH CHLORATE remains scarcer at 8½d. per lb., and *soda chlorate* at 8d.

POTASH IODIDE.—The exports from Japan in August were 1,713 kin, valued at 10,819 yen, and for the eight months (January-August) the figures were as follows:

	1912	1913	1914
Kin ...	29,442	35,437	46,737
Yen ...	178,929	204,456	299,912

POTASH PRUSSATE is obtainable at 1s. 5d. per lb.

POTASHES are 2s. 6d. easier in Liverpool, at 62s. 6d. for first Montreal and 60s. for Canadian.

PYROGALLIC ACID of American make is obtainable at from 13s. to 15s. 6d. per lb.

QUICKSILVER.—Second-hands are rather firmer on the week at 11*l.* to 11*l.* 5s. per bottle.

QUININE.—Although at the moment the market tendency in second-hands is weaker, the statistical position is regarded as favourable, and should any important demand set in the position may suddenly change, so that buyers would do well to be covered. Second-hands quote new German sulphate at 1s. 1*½*d. and old at 1s. 1*l.* per oz.

RHEBARS.—Small sales of fair flat High-dried have been made at 5s. 4*d.* per lb., and genuine sun-dried Shensi at 5s.

SACCHARIN.—For 550 strength 50s. per lb. is quoted.

SALICYLATES are becoming difficult to obtain from the United States on account of the fact that makers are no longer able to obtain carbolic acid from this side, it being prohibited to all destinations. Prices remain firm and unchanged at 5s. for *acid* and 5s. 6*d.* for *sodium*.

SARSAPARILLA.—The current values are 1s. 11*d.* for genuine grey Jamaica, and 1s. 8*d.* for Lima-Jamaica; demand small.

SENEGA.—Business has been done at 1s. 7*½*d. c.i.f.; spot price is 1s. 9*d.*

SENNA.—The 161 bales Tinnevely have arrived this week, and there will probably be another 100 to follow. Very high prices are quoted for Alexandrian leaf to come forward.

SHELLAC has advanced from 4s. to 5s. per cwt., with a fair trade on a basis of 62s. to 63s. for usual standard TN Orange. Futures are steady, sellers of December delivery quoting 61s. 6*d.*

SULPHONAL is offered at 13s. to 13s. 6*d.* per lb.

SULPHUR is very firm, at 12*l.* 10s. per ton for best flowers, ex wharf London.

TANNIC ACID.—Business has been done at 4s. 6*d.* to 5s. per lb.

TARTARIC ACID is quoted at from 1s. 6*d.* to 1s. 6*½*d.

TOLUOL is dearer, at from 2s. 1*l.* to 2s. 3*d.* per gal. naked for 90-per-cent. in London.

VANILLA.—Referring to last week's auction, practically all the lots of Bourbon and Seychelles that sold were poor keepers, turning mouldy and quite unfit for export. Anything of good quality was retired at the higher prices now ruling. Subsequent to the auction 16s. 6*d.* was paid for 7*½* in. Bourbon and 9s. 9*d.* for common lean Java.

VANILLIN is cheaper at from 22s. to 22s. 6*d.* per lb.

WAX (JAPANESE) is dearer, with spot sales at 59s. per cwt., and November-December shipment at 45s. c.i.f.

A well-known Berlin firm of manufacturing-chemists, in resuming their monthly reports (suspended since the outbreak of war), state that the price of suet has advanced by 33*½* per cent., imports from America having failed. Bismuth and bismuth-preparations have advanced by 25 per cent., and bromides by 33*½* per cent. Cantharides are badly wanted, no supplies having come to hand from Russia, Galicia, or Hungary. Cascara, condurango, quillaia, and aniseed have advanced. The price of glycerin is the highest for the past twenty-eight years. While the values of several fatty oils have increased, those of many essential oils have decreased. The price of castor oil is the highest since 1886. Turpentine oil, ipecacuanha, liquorice, senega, and hydrastis—the latter having reached a "record" high price—have also much advanced.

The Week's Arrivals.

During the period November 11 to 18 inclusive the following drugs, chemicals, and allied produce have arrived at the principal English ports. Where not stated, the figures denote packages:

Acetate of lime (Montreal) bgs. 2,720
Acetic acid (Rotterdam) chys. 140, es. 67, cks. 26, (Amsterdam) cks. 45, (New York) es. 165
Acetone (Philadelphia) drms. 351
"Acid" (Boston) cks. 24
Albumen (Havre) cks. 19
Alcohol (U.S.A.) drms. 131, brls. 70
Almonds (Valencia) bgs. 1,397, 1 bxs. 150, (Malaga) bxs. 4,078, bgs. 380, (Catania) bgs. 285, (Palermo) bgs. 38, (Denia) pkgs. 244, bgs. 126, (Morocco ports) bgs. 1,159, (Tarragona) bgs. 85, bxs. 1,140, brs. 25, (Almeria) pkgs. 676, (Bordeaux) pkgs. 40, (Faro) serous 390, (Marseilles) bgs. 75
Ammon. anhyd. (Philadelphia) ctydls. 30
Anise (Spain) bgs. 210
Argol (Oporto) cks. 25
Balsams (Para) es. 16
Bismuth metal (Philadelphia) bxs. 97
Camphor oil (New York) es. 40
Canary-seed (Spain) bgs. 2,107, (Morocco) 1,756, (Rotterdam) 100
Caraway oil (Rotterdam) es. 6
Caraway-seed (Holland) brs. 135
Carbon black (Philadelphia) pkgs. 680
Cardamoms (Tuticorin) es. 74
Casein (Havre) bgs. 263
Cashew nuts (Madras) es. 24
Chemical products (Rotterdam) 28, (New York) 709, (Dieppe) 31, (Havre) 10, (Paris) 28
Chloroform (New York) 38

Cinehona (Amsterdam) 449, (Calicut) 126, (Tuticorin) 54
Cinnamon oil (Galle) es. 14
Citric acid (Marseilles) cks. 5, (Palermo) 20
Citronella oil (Galle) drms. 291, (Bangoon) cks. 6
Cloves (Zanzibar) bls. 500
Cochineal (Canary I.) bgs. 117
Coconut oil (Rotterdam) cks. 124, (Cochin) pps. 217, cks. 47, hds. 116, (Galle) pps. 191, (Amsterdam) es. 115, (Sydney) pkgs. 230
Cod-liver oil (Rotterdam) es. 50, (St. John's, N.F.) cks. 12
Coriander-seed (Morocco) bgs. 1,307
Cream of tartar (Palermo) cks. 188, (Patras) brls. 28, (Bordeaux) cks. 91, (Marseilles) cks. 450
Cumin-seed (Saffi) 162
Dextrin (Holland) 20
Drugs (Honfleur) es. 6, (Sydney) es. 22
Dyes, colours, etc. (Rotterdam) pkgs. 24, (Amsterdam) 102, (Genoa) brls. 54, es. 273
Ergot (Lisbon) bgs. 15
Essential oils (Messina) pkgs. 87, (New York) es. 94, (Hong Kong) es. 12
Eucalyptus oil (Melbourne) 50
Farina (Holland) pkgs. 6,872
Fennugreek-seed (Morocco) bgs. 880
Formaldehyde (New York) brls. 15
Formic acid (Rotterdam) blns. 144, es. 36
Galls (Smyrna) bgs. 10
Gelatine (Genoa) es. 36
Gentian (Bordeaux) 75
Glucose (New York) 120, (Rotterdam) 25
Glycerin (Barcelona) dms. 70, (Marseilles) dms. 565, (Genoa) dms. 120
Gum acacia (Havre) bgs. 20, brs. 36, (Port Sudan) pkgs. 1,717
Gum copal (Rotterdam) 50
Gum damar (Batavia) es. 100, (Singapore) bkts. 24, (Amsterdam) es. 200
Gums unenum. (Morocco) bgs. 174, (Amsterdam) es. 95, brs. 27, (Lisbon) 124
Herbs (Marseilles) bls. 103
Honey (Rotterdam) cks. 40
Indigo (Calcutta) 14, (Madras) 131, (Naples) 4, (New York) 74
Juniper-berries (Genoa) bgs. 190, (Leghorn) 96
Lead acetate (Rotterdam) kgs. 400; in tr. 400
Lemongrass oil (Cochin) pkgs. 37
Lime citrate (Trinidad) cks. 5, (Messina) cks. 34
Lime-juice (Kingston) puns. 5
Liment (Sloan's) (Philadelphia) es. 500
Linsced (Indian ports) bgs. 100,219, (Rosario) bgs. 40,320, (Morocco) bgs. 1,320, (B. Ayres) tons 50
Liquorice-juice (Catania) es. 109
Liquorice-paste (Smyrna) es. 20
Liquorice-root (Malaga) 30
Lithopone (Rotterdam) cks. 952
Magnes. chloride (Rotterdam) cks. 161
Magnesite (Amsterdam) bgs. 100
Mastich (New York) es. 10
Medicines (Montreal) es. 3, (U.S.A.) pkgs. 288
Menthol (Havre) es. 5
Mercury (Leghorn) bot. 300, (Spain) 50
Milk-sugar (Amsterdam) es. 20, (New York) 40
Mineral-waters (Bordeaux) pkgs. 632, (Marseilles) es. 2,688
Mineral white (Bordeaux) bgs. 300
Nut oil (Rotterdam) drms. 145, cks. 10, pkgs. 359, (Marseilles) cks. 33
Nutmegs (Amsterdam) es. 96
Nux vomica (Madras) in tr. bls. 133
Olive oil (Malaga) brls. 562, (Bordeaux) es. 275, (Marseilles) brls. 300, cks. 15, es. 72, (Seville) dms. 290, brls. 594, (Genoa) es. 323
Opium (Smyrna) es. 47
Orange-flor. water (Marseilles) chys. 12
Orange-peel (Sicily) es. 40
Orris (Morocco) bgs. 25
Oxalic acid (Rotterdam) 14
Pepper (Batavia) bgs. 166, (W. C. Africa) bgs. 287, (Singapore) bgs. 800, (Amsterdam) bgs. 200, (Calicut) 320, (Havre) bgs. 586
Peppermint oil (New York) bxs. 5
Petone (New York) pkgs. 27
Perfumery (Calais) pkgs. 7, (Havre) es. 22, (Paris) 15
Pimento (Bordeaux) cks. 30, (New York) 250
Potash carb. (Rotterdam) pkgs. 36, (Copenhagen) cks. 20, (Gothenburg) brls. 6, (Christiania) cks. 107
Potash caustic (Gothenburg) brls. 8
Potash permang. (Gothenburg) brls. 8, (Rotterdam) cks. 10
Potashes (Montreal) brls. 21
Quinine (Rotterdam) es. 75
Roots (Singapore) bls. 18, (Marseilles) bls. 120, (New York) 78
Saccharin (Rotterdam) es. 8, cks. 11, kegs 30
Saltpetre (Calcutta) bgs. 397
Sandarac (Mogador) brls. 89, bgs. 38
Senna (Tuticorin) bls. 161
Shell, button and seed lac (India) 894
Sodium bisulphite (New York) brls. 317
Sodium caustic (Philadelphia) drms. 60
Sodium hypo. (New York) kgs. 550
Sodium phosphate (New York) brls. 10
Soya-bean oil (Dalny) es. 10,000
Spices (Trinidad) pkgs. 83
Sulphur (Sicily) tons 100, bgs. 2,000
Sulphuric acid (Amsterdam) drms. 80
Tannic acid (Montreal) brls. 32
Tartar (Bordeaux) cks. 40, (Marseilles) bgs. 128, (Leghorn) cks. 178
Tartaric acid (Marseilles) cks. 42, (Genoa) brls. 28, (Naples) brls. 24
Turpentine (Spain) drms. 133, cks. 110, (U.S.A.) brls. 3,000
Vanilla (Bordeaux) es. 3
Wax, bees' (Jamaica) 4, (Lisbon) 90, (Morocco) 226
Wax, paraffin (Java) bgs. 6,610, (U.S.A.) brls. 1,312, (Bangoon) 4,240
Wax, unenum. (Amsterdam) bgs. 172
Wax, vegetable (Shanghai) es. 33
Wine-lees (Bordeaux) bgs. 121
Zinc oxide (Rotterdam) 160, (New York) 950

Dutch War-tax.

In regard to the proposed duties on exports from Holland, we learn from our Amsterdam correspondent that a Bill has been laid before the States-General proposing a tax of 8 per cent. on exports. The tax will apply only to goods which have advanced in price above the average value of the period August 1, 1912, to July 31, 1914. The tax will be imposed during the war only, and is aimed at those articles on which excessive profits are being made by merchants. The Minister of Finance anticipates that the

tax will yield about one to one and a half million of guilders per month.

Quinine.

On p. 34 of last week's issue of the *C. & D.* we noted that "cinchona-bark, quinine and its salts" have been omitted from the list of prohibited exports from the United Kingdom, which, in other words, means that the prohibition is cancelled and that no permits are now required. This news has been received with great satisfaction by cinchona and quinine exporters, and should act as a stimulus to the market, which of late has shown a sagging tendency. It may be mentioned that the London stock has shown a steady diminution and is now lower than it has been for the past six years. At the end of October the stock was 2,773,232 oz., against 3,408,095 oz. An explanation in regard to the proposed Dutch tax on exports (including quinine) is given on the previous page.

Bandoeng Quinine-factory.

The annual report for 1913 states that "the year was of great importance for all concerned, as the agreement between the cinchona-planters and the quinine-manufacturers was successfully concluded. The free competition which previously existed was the cause of a steady decline in the price of bark and quinine, because the production exceeded the demand. The Bandoengsche Kininefabriek joined the Convention of quinine-makers. In consequence of the formation of this Convention quinine prices have considerably advanced, and consequently a higher unit has been paid for bark. The quantity of cinchona which the quinine-manufacturers are bound to buy annually exceeds, however, the consumption; in the same manner the production of cinchona exceeds the quantity sold to the manufacturers, so that, should the consumption of quinine decrease, both quinine-makers and cinchona-planters will have to deal with an ever-increasing quantity of cinchona. The planters have still the advantage of being able to limit the output in proportion to the quantity they are obliged to furnish. The sale of the various salts of cinchona alkaloids amounted in 1913 to a total sum of fl.1,095,192, against fl.1,218,181 in the preceding year. On behalf of the Government of the East Indies, 3,000 kilos. of quinine sulphate was worked into tablets. The remaining stock of cinchona salts on January 1, 1914, was estimated at fl.226,554, as compared with fl.192,476 on January 1, 1913. The factory holds 4,150 kilos. of quinine sulphate belonging to the Dutch Government and 4,000 kilos. belonging to private firms. In the course of the year about 80,000 kilos. of cinchona-bark and quinine were worked, with a value of fl.716,752. The value of the remaining stock of cinchona at the end of the year amounted to fl.174,953, which is much less than the stock at the end of the preceding year, the value of which was fl.319,064. The stock of quinine, on the contrary, was much larger at the end of 1913 than at the end of 1912. The working costs and packing of quinine have much increased since the preceding year, and the manner of sale has much changed in consequence of the Convention regulations. Before the Convention was founded the Bandoeng quinine-factory had a wholesale trade in quinine; now this has changed into a retail business, which entails more expenses for packages, labelling, etc. A traveller has been appointed, who is popularising the product among the Chinese. The ordinary shareholders receive a dividend of 17½ per cent., as compared with 15 per cent.

Sudan Products.

The Commercial Intelligence Branch of the Board of Trade is notified by the Sudan Government Intelligence Department that, in view of the closure of the German and Austrian markets, it is a matter of urgency to find new buyers of Sudan gum arabic, of which the quantity exported to Germany in 1913 amounted to 2,843,784 kilos., valued at £E.67,074, and to Austria 610,763 kilos., valued at £E.13,692. Quantities of sesame-seed and of millet should also be available for export, while in view of the increased demand for leather it is pointed out that hides and skins are available from the Sudan, as well as an excellent tanning material—viz., the seed-pods of "acacia arabica," known locally as sunt-pods. Before the war there was a considerable demand in Europe for vegetable-ivory nuts from the Sudan. This vegetable ivory is used for the manufacture of buttons (principally in Germany), and large quantities of the nuts are available for export. Particulars regarding transport and other information may be obtained by United Kingdom importers on application to the Sudan Government Railways Office, 5 Northumberland Avenue, London, W.C.

NEW CALEDONIAN SANDALWOOD.—The exports from New Caledonia during 1913 amounted to 129,474 kilos., against 50,662 kilos. in 1912 and 4,546 kilos. in 1911.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Tincture of Opium.

SIR,—I concur in the suggestion that it would be better to give the name "laudanum" as a synonym for ext. opii liquid., because of the serious increase in the strength of tinct. opii. It has perhaps hardly been sufficiently noted that the strength of tinct. opii was really increased when the present Pharmacopoeia was introduced. Although made with a 10-per-cent. opium in proportion of 1½ oz. to the pint, the old tincture did not attain a strength of 0.75 per cent. w/v; it was usually 0.64 to 0.68.—Yours, etc.,

Edinburgh.

D. B. DOTT.

London Insurance Dispensing Payments.

SIR,—Cannot something be done to alter the unsatisfactory state of Insurance dispensing payments? I have not had my cheque for August yet, and the amount owing to me at present is over 70l. Wholesalers are pressing me for payment, and I have to put up with this worry and anxiety simply to oblige a Government affair, and have the fear and disgrace of a county-court summons. Is this worth the profit, the time, and responsibility we have to give?

Yours faithfully,

WORRIED LONDON. (166/30.)

The Scottish Position

as regards Insurance dispensing is the subject of a letter by *Aberdeen Chemist* (165/68), in which he expresses surprise "that Associations of Scottish chemists are again prepared to stand by the Council of Panel Chemists in their attitude that this is not an opportune time to have wrongs righted, probably frightened that it would be considered an unpatriotic act." This opinion is elaborated in language much stronger than is necessary for these pages. He proceeds: "Are Scottish chemists again to go on the panel with 'the limit' clause hanging over their heads? Surely never! The prices of 158 drugs and chemicals out of a total of some 400 in the 1915 Tariff have been heavily raised. That spells heavily increased drug accounts. It is simply inviting trouble to go on the panel after what our past experiences have been. . . . Let us have this war out now, while war is the order of the day. We will probably never have a better chance."

Stock Mixtures and Dispensing-fees.

SIR,—I would like to suggest that the widest possible view be taken of the Commissioners' action in respect of these. At the interview of the chemists' representatives with Mr. C. F. G. Masterman in July last it will be remembered that he (Mr. Masterman) made use of a noteworthy remark—viz., that the Drug Tariff had not been seriously considered from the business point of view. This seems to have met the same fate as the one used by our present King on his return from his world-empire tour, "Wake Up, England"—that is, either it was never heard or else it was soon forgotten. Now, the Commissioners' policy, where the ethics and technicalities of pharmaceuticals are concerned, has been to leave alone. But the inquiries into extravagant prescribing have probably shown that economies to the Drug Fund could be effected by applying a business consideration to the Drug Tariff. It is not so much the general Tariff principles that are at fault as the incidentals and so-called official constructions of the rules, and the way they are applied by chemists' leaders in order to secure extra remuneration for dispensing services and drugs. Few will grudge the chemist what he gets if he says exactly what he wants. This is where the Drug Tariff is so misleading: one-third profit and dispensing-fees, up or down to nearest halfpenny—these are misstatements of facts. Now, these misstatements must have been brought home to the Commissioners. They do not want to interfere on

technical points, therefore they suggest that, inasmuch as some economy must be effected, the fees on stock mixtures should be reduced. This is obviously a suggestion from a lay mind. Support in these views is lent by their attitude of not insisting that the rule shall have effect if it can be shown that some economies in the local Tariff are evident. Would it not be better if the business consideration of the Tariff was exercised by the panel chemists or their representatives, rather than that the other side take up the matter seriously? Circular 49 I.C. is only a straw that shows the way the wind blows.—Yours truly,
Wakefield. J. DENTON.

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

The End of It.

Jay Mack sends us a letter in reply to "X. Y. Z.," and tells us "it wants shortening badly." We think one of his sentences should suffice to close the discussion: "'X. Y. Z.' has written two letters, both of which show that he has totally failed to grasp the point at issue."

Yankee Toilet Notions.

A. M. S. (38/15) sends the following as emanating from a "specialist" in the United States:

FAT-REDUCER.—Epsom salts 4 oz., dissolved in sufficient hot-water, and added to ivory soap 8 oz., melted on a water-bath.

FAT AND BUST REDUCER.—Camphor 2 oz., fresh cream 8 oz.

BLACKHEAD-REMOVER.—Epsom salts 8 oz., in 32 oz. of water. Reduce to a pint by boiling, and use daily as an application to the affected parts.

The War and Chemicals.

Obscrant (167/37) writes in regard to the offers of certain chemicals from Holland, Switzerland, and other neutral countries. He mentions terpineol, vanillin, coumarin, and heliotropin, adding: "It appears absolutely necessary for buyers either to obtain a guarantee with their purchase or else to carefully scrutinise all offers, in order to ascertain the country of origin of the products offered, as it is not desirous to pass money into the hands of the enemy, even through a neutral country."

[It is well to keep in mind that both Holland and Switzerland were large suppliers of the articles named before the war.—EDITOR C. & D.]

Proposed Pharmaceutical Motor-ambulance.

Mr. James Aspell, Tunbridge Wells, again writes in regard to the proposed pharmaceutical motor-ambulance, stating that the 400l. required should be obtained by individual subscriptions, from 1s. upwards, and by grants from local Assistants' Associations. Subscriptions are to be sent to the Hon. Treasurer Mr. E. C. Frend, solicitor, 41 Mount Pleasant Road, Tunbridge Wells, or to Mr. Aspell. We repeat that in a matter of this kind, presumably national, it is desirable that a representative Committee should be formed if the proposal is to be seriously taken up. This should be one of the first things done, and until it is we can give no further publicity to the movement.

The Official Alkaloidal Assay-processes.

"I very much fear that the present system of analysis of spirituous alkaloidal preparations is lacking in accuracy, and that, as the tendency is to attribute the potency and efficacy of these to the alkaloids which they contain, some more exact process is urgently needed. Take, for example, tincture of hyoscyamus. The B.P. authorities have very wisely omitted its assay, although they have boldly attacked that of its sister preparations. If the assay-process suggested by the experts be applied to the tincture, it will be found almost impossible to secure an alkaloid-free liquid after the completion of the extraction by the usual immiscible solvents, even if a reasonable number of extractions are made. Again, if the distillate from tincture of hyoscyamus be tested for alkaloid by the usual reagents a turbidity is obtained, indicative presumably of the presence of an alkaloid, which, of course, may be small in amount, but can it be of no consequence? One dare not suggest the presence of methyl compounds, which may afford a similar result under certain conditions, or of any formate, although this might be present in the distillate, as formates are known to be present often in fresh leaves, but not perhaps in dried leaves, since the residue of the tincture made from dried leaves is usually acid, and therefore in the process of drying the more readily volatile acids would be dissipated, some portion of the less volatile acids

remaining. The reason why the immiscible solvent does not wholly remove the alkaloid is not that it is not a good solvent, but that the alkali is a better (e.g., morphine, codeine, quinine, cupreine, emetine, and cephaeline), and this must raise the question of how much alkali should be added. Some workers suggest a large excess of sodium hydroxide, and others a slight excess of this or potassium hydroxide, ammonia, or even the alkali carbonates. I have used saccharated solution of lime, but not with great success. Has anyone observed the transient roseate coloration in the solution of the tincture of hyoscyamus after removal of the alcohol and the addition of dilute hydrochloric acid? To what is it due?"—Abel Scholar.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

F. N. (141/96) wants to know HOW A WHITE HORSE CAN BE DYED BLACK. Apparently there is some demand for this sort of thing for horses to be used for military purposes, and we would suggest that a paraphenylenediamine dye should be tried, as it gives immediate results. It is estimated that 5 gals. is required for one horse, and this quantity may be made as follows:

Solution A.

Paraphenylenediamine	...	...	5 oz.
Glycerin	...	...	5 oz.
Water to	...	...	2½ gals.

Solution B.

Potassium bichromate	...	...	2½ oz.
Water to	...	...	2½ gals.

The horse should first be washed with soap-suds and water to remove superfluous grease, then brushed lightly with Solution A followed by Solution B. The only objection to paraphenylenediamine dyes is the irritation of the skin which is sometimes produced; but it is probable that the skin of the horse may not be so sensitive as that of some humans.

Zenol (33/33).—CREAM BANDOLINE FOR THE HAIR.—Try the following:

Pulv. tragacanthæ	...	...	3j.
Spt. rectificat.	...	...	3iv.
Glycerin.	...	...	3j.
Mucilag. acaciæ	...	...	3j.
Ol. neroli	...	...	mx.
Otto rosæ	...	...	mx.
Aquam ad	...	...	3xl.

Put the powdered gum in a 40-oz. bottle and mix with the spirit, in which the oils have previously been dissolved. Mix the glycerin with a pint of water, add to the tragacanth and spirit, and shake well. Mix the mucilage with the rest of the water, and also incorporate. The cream is the better for the addition of 20 grains of salicylic acid and a few drops of chloroform to preserve it. You will find numerous formulæ for each of the other preparations that you ask for in "Pharmaceutical Formulas."

H. W. (121/11).—The rainproof coat which you want to renovate may be treated by the process now being used by the German army, although it is not a German process specially. Dissolve calcium carbonate 130 grams in 300 grams of acetic acid. Separately dissolve 300 grams of crystallised aluminium sulphate in 1,000 c.c. of water. Mix the solutions, shake, and set aside for twenty-four hours, occasionally shaking. Then decant the clear liquor. Make another solution of Castile soap, 1 in 20. Damp the coat with a sponge dipped in the aluminium-acetate solution; then do the same with the soap solution, and dry. Aluminium formate may be used in place of the acetate.

C. B. (Nicaragua) (113/30).—(1) A BARREL is 36 gals. The fireproofing solution is applied direct to the wood, and this can be followed by the preservative treatment against rot and ants. (2) TESTING SPRINGS FOR RADIOACTIVITY is a matter of delicate physical investigations, which might be undertaken by the nearest University. (3) We have no idea as to what is the "harmless dope" used to quieten drunken men.

R. McG. (131/7).—ANTISEPTIC MOUTH-WASH.—This is prepared from a formula similar to the following:

Carbolic acid	...	...	50 parts
Menthol	...	...	5 parts
Salol	...	...	20 parts
Eucalyptol	...	...	15 parts
Lavender oil	...	...	10 parts
Wintergreen oil	...	...	5 parts
Spirit	...	...	1,500 parts
Water	...	...	300 parts
Cochineal infusion	...	...	a sufficiency

For use as a mouth-wash, a teaspoonful is added to half a tumbler of water.

W. H. Y. (130/7).—SOLUBLE ESSENCES FOR AERATED WATER. There is no general rule of treatment for essential oils required to be made into soluble essences. The subject is dealt with in "Pharmaceutical Formulas." Here is a recipe for *Soluble Essence of Anise*:

Anise oil	...	...	1 oz.
Rectified spirit	...	...	13 oz.
Distilled water	...	...	10 oz.

Triturate the anise oil with kaolin and shako with the spirit and water. Allow to remain, with occasional agitation, for twenty-four hours, then filter.

L. C. (138/68).—There is no simple test for determining if oysters are contaminated with sewage, the bacteriological one being the only sure method.

H. G. W. (131/6).—VULCANITE MATERIAL.—Vulcanite is bent and moulded at temperatures above the boiling-point of water, and the moulding-tools are kept at a high temperature. The colouring is best done in the process of manufacture.

Salicylate (89/18).—So far as we can make out the sugar-coated tablet is composed of acetyl-salicylic acid. Five-grain doses are quite safe as an anti-rheumatic remedy, but the drug should not be taken on an empty stomach.

Radix (149/42).—For the chemical changes which occur in making tr. iodi decolorata see *C. & D.*, July 25, p. 170.

W. T. F. (132/38).—ALMOND-POWDER.—The German toilet-article which passes under the name of "Mandekleie" is a powder made from formulæ such as the following:

1.			2.		
Almond-powder	...	5 oz.	Almond-powder	...	450
Powdered orris-root	...	15 oz.	Powdered orris-root	...	70
French chalk	...	25 oz.	Lemon oil	...	8
Dried sodium carbonate	...	1½ oz.	Almond oil (essential)	...	2
Borax	...	1 oz.	Mix.	...	
Perfume	...	a sufficiency			
Mix.					

Sometimes a small percentage of powdered soap is added, but as the powders are often sold for use in place of soap this is not always admissible. A favourite perfume is a mixture of essential almond oil 6 parts, geranium oil 3 parts, orange-flower oil 1 part.

Tipperary (146/6).—The veterinary powder for "red murrain" consists chiefly of Epsom salt mixed with powdered anise and liquorice-root. We do not understand your assertion that the powder is preceded by a dose of Epsom salt.

C. C. C. (122/5).—ANILINE DYE.—The sample you send is azo-black or naphthol black, chemically described as the sodium salt of disulphonaphthalene-azo- α -naphthalene-azo- β -naphthol-disulphonic acid R. It was originally patented by Hoffmann and Weinberg (9214 of 1885), but the patent has long since expired. The method of making the group of azo-colours to which this belongs is described in the specification as the action of diazosulphonic acids upon α -naphthylamine, the diazotising of the amido-azosulphonic acid and the combination of the tetrazo-compound with phenols and their sulphonic acids. An example is given in the specification, which you can obtain (price 8d.) at the Patent Office, if you desire to go further into the matter. A classification of the numerous aniline dyes is given in Schultze and Julius's "Organic Colouring-matters" (Macmillan, 2ls.), and details of the manufacture are given in Heumann's "Die Anilinfarben und ihre Fabrikation," a work in seven large volumes published at Brunswick.

J. M. (145/14).—ADHESIVE PASTE.—The sample you send is of the gloy type, which is made of starch and magnesium-chloride solution. We do not know the details of the manufacture.

J. G. N. (30/10).—HORSE-EMBROCATION.—Ammonia is the active principle of this liniment. The colouring-matter puzzles us, but we believe it to be a vegetable substance, such as powdered cinchona.

J. W. D. (147/19).—STRAW-HAT CLEANER.—This is cream of tartar. In regard to the statement in the *C. & D.*, August 1, p. 64, if you will read it again you will find that it indicates as concisely as possible the composition of most of the hat-cleaners at present on the market.

F. T. (49/44).—CORN-OINTMENT.—Have you proved the assertion that the corn can be "easily removed with a dull knife" after rubbing it with the ointment for a minute or two? The ointment appears to us to be ung. resinae.

M. R. (138/20).—MANUFACTURE OF GLASS-PAPER.—The process consists in spreading liquefied glue on sheets of paper, and before the glue has set sifting on to it the abrasive substance—glass, emery, sand, or stone. The glue should be of good quality, and for glass-paper bleached glue is employed. If the glue sets too hard, a small proportion of glycerin or treacle is added to give flexibility.

J. E. S. (139/2).—RAT-POISON.—The formula to which you refer was given in the *C. & D.*, January 6, 1912, p. 53.

A. J. (138/2).—METRIC EQUIVALENTS.—The British Pharmacopœia gives in an appendix the metric equivalents for Imperial weights and measures. This list has been extended in the B.P. 1914, and is similar to that given in the "Art of Dispensing."

E. J. (146/64).—The "Nurse's Guide to Prescription-reading" (Livingstone, 1s. 6d.) is suitable as a first book on the subject. It contains a short list on prescription abbreviations, a complete list being given in the "Art of Dispensing." The "*C. & D.* Dose List" will be re-issued shortly, so as to conform with the B.P. 1914.

E. V. Z (140/13).—(1) CEMENT FOR ENAMELLED LETTERS.—This consists of dry white lead made into a paste with dammar varnish. The cement is smeared over the back of the letters, or, if they are concave, the hollow space is filled with it, before placing the letters in the position they are desired to occupy. Heavy letters are supported for a few days by gelatin-lozenges until the cement sets. **(2) CEMENT FOR GLASS TUBES IN SYPHON-HEADS.**—Plaster of Paris is employed for this, or, better, plaster of Paris mixed with resin-soap, as the following recipe:

Common resin	...	...	5iij.
Caustic soda	...	...	3j.
Water	...	...	5v.

Dissolve the soda in the water, add the resin, and dissolve. With this, when required, mix 4 oz. of plaster of Paris (or 1 part by volume of the solution and 1 part by weight of the plaster).

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1864.

Proposed Pharmacy Bill.

The attention of the Executive Committee of the United Society having been directed to the desirability of putting the principles and objects of the suggestions for an incorporation of the trade into a succinct form for further consideration, they instructed the Registrar to prepare such a document, and to submit it for their deliberation. The proposed Chemists and Druggists Act was accordingly drawn up, and read at a meeting of the Executive Committee, held October 1, 1864. Each clause was anxiously discussed, and after some alteration had been made in the manuscript, the Registrar was authorised to get it printed, and to send a copy of it to each Hon. Local Secretary in the Society, with a request that he would ascertain and communicate to the Committee the sense of the trade in his district upon it. The proposed Act has been carefully divested of all technical phraseology, and its leading clauses have been drawn up argumentatively instead of formally, that everyone in the trade may understand in what way his interests are likely to be affected by the measure. The Executive Committee have now the satisfaction to state that the principles and objects of the Bill have been adopted by the chemists and druggists of nearly 100 towns as the principles and objects of their own Act, and that it is already stamped with the approbation of men of distinguished position in every department of the medical profession, and also by many members of the Pharmaceutical Society.

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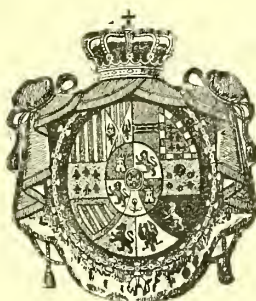
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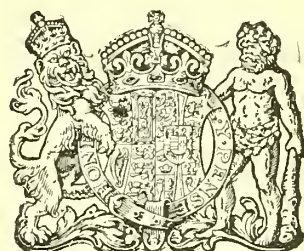
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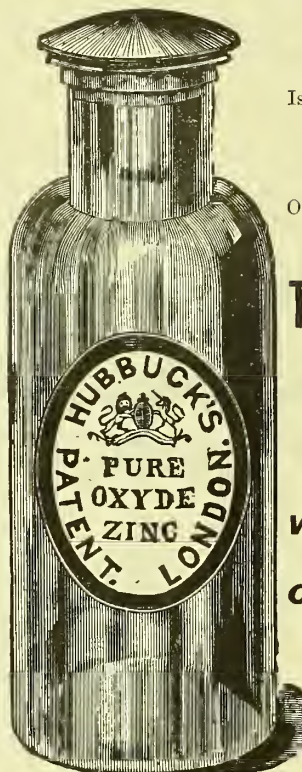
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This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

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This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

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Orris, English Ground, 1 cwt. @ 102/- cwt.; 7 lbs. @ 1/- lb.
Oss. Sepia Pulv., 1 cwt. @ 6d. lb.; 7 lbs. @ 7½d. lb.
Otto Rose, finest, 1 oz. @ 50/- oz.; No. 2, 1 oz. @ 30/- oz.
Oxymel Scilla, B.P. 5 cwt. @ 34/6 cwt.; 1 cwt. @ 36/6 cwt.; 7 lbs. @ 7d. lb.

Papain, 1-80, 1 oz. @ 1/6 oz.
Paraffinum Durum, B.P., 2 cwt. @ 3d. lb.; 1 cwt. @ 3½d. lb.; 56 lbs. @ 3½d. lb.; 7 lbs. @ 4½d. lb.; Molle Flav., B.P., 3½ cwt. @ 21/- cwt.; 1 cwt. @ 32/- cwt.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 4½d. lb.; Alb. B.P., 3½ cwt. @ 70/- cwt.; 28 lbs. @ 8½d. lb.

Paraldehyde, B.P., 7 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.

Pepsin, B.P., 1 lb. @ 13/- lb.

Phenacetin, P.B., pulv., 7 lbs. @ 7/- lb.; 1 lb. @ 7/3 lb.

Phenazone, P.B., 7 lbs. @ 12/-; 1 lb. @ 12/6 lb.
Phenolphthalein, 7 lbs. @ 9/- lb.; 1 lb. @ 9/6 lb.
Pix. Burgund., Druggists', 1½ cwt. @ 26/6 cwt.; 7 lbs. @ 4½d. lb.

Plumbi Acetas, Druggists', 1 cwt. @ 45/- cwt.; 7 lbs. @ 6½d. lb.; Powder, 1½d. lb. extra.

Podophyll. Resina, P.B., 1 lb. @ 13/- lb.

Potassa Caustica Sticks, P.B., 6 1-lb. Bots. @ 2/6 lb.

Potas. Acetas. Gran. P.B., 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/6 lb.

Potas. Bicarb. Pulv., 1 cwt. @ 55/- cwt.; 7 lbs. @ 6½d. lb.

Potass. Brom. P.B., 28 lbs. @ 3/9 lb.; 7 lbs. @ 4/- lb.

Potass. Chlor. Pulv., 1 cwt. @ 8½d. lb.; 7 lbs. @ 9d. lb.

Potass. Cit., B.P., 7 lbs. @ 3/1 lb.

Potass. Cyanidum, 98%, 1 cwt. @ 2/2 lb.; 7 lbs. @ 2/4 lb.

Potass. Iod., P.B., 1 cwt. @ 12/10 lb.; 14 lbs. @ 13/4 lb.; 3 lbs. @ 14/- lb.

Potass. Metabisulph., 7 lbs. @ 1/3 lb.

Potass. Permang., Cryst., 7 lbs. @ 1/6 lb.; large cryst., 7 lbs. @ 1/9 lb.

Potass. Prussias Flav., 7 lbs. @ 1/5 lb.

Pulv. Cretæ Arom. P.B., 14 lbs. @ 7d. lb.; c. Opio, B.P., 7 lbs. @ 1/9 lb.

Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 44/- cwt.

Pulv. Ipecac. Comp. P.B., 1 lb. @ 4/- lb.

" Jalap Comp. P.B., 1 lb. @ 1/6 lb.

" Rhei Comp. P.B., 1 lb. @ 1/2 lb.

Quassia Chips, 1 cwt. @ 13/6 cwt.; 28 lbs. @ 2d. lb.

Quinine, Bisulph., 25 oz. @ 1/5 oz.; 10 oz. @ 1/6 oz.

Quinine Ethyl Carb. (Tasteless), 10 oz. @ 2/4 oz.

Quinine Hydrobromas, B.P., 25 oz. @ 1/8½ oz.; 10 oz. @ 1/3½ oz.

Quinine Hydrochlor., B.P., 25 ozs. @ 1/8 oz.; 10 czs. @ 1/9 oz.

Quinina Sulph., B.P., 100 oz. @ 1/3 oz.; 25 oz. @ 1/4 oz.; 10 oz. @ 1/4½ oz.

Rad. Gentian, English Ground, 1 cwt. @ 52/6 cwt.; 7 lbs. @ 6½d. lb.

Rad. Glycyrrh. English Ground, 1 cwt. @ 33/- cwt.; 7 lbs. @ 4½d. lb.

Rad. Ipecac. Rio., 7 lbs. @ 9/3; 1 lb. @ 9/6.

Rad. Jalap. English Ground, 28 lbs. @ 1/3½ lb.; 7 lbs. @ 1/4½ lb.

Rad. Rhei., E.I. English Ground, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7½ lb.

Rad. Rhei. E.I. Trimmed 7 lbs. @ 5/3 lb.; 1 lb. @ 5/3 lb.

Resorcin, B.P., 7 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.

Saccharine, 550 or 500 1 lb. @ 46/- lb.

Sacchar. Ust., 1 cwt. @ 26/6 cwt.; 10 lbs. @ 4½d. lb.

Saffron, Valencia, B.P., 7 lbs. @ 46/- lb.; 1 lb. @ 47/- lb.; 1 oz. @ 3/3 oz.

Sal. Acetos., 7 lbs. @ 9½d. lb.

Salicinum, B.P., 1 lb. @ 16/10 lb.

Salol, B.P., 1 lb. @ 6/3 lb.

Sang. Draconis, pulv., English ground, 1 cwt. @ 2/1 lb.; 7 lbs. @ 2/3 lb.

Santonium, P.B., 8 oz. @ 200/- lb.

Sapo Cast. Alb., 10 cwt. @ 30/- cwt.; 2 cwt. @ 31/6 cwt.; 7 lbs. @ 4½d. lb.; pulv., 1 cwt. @ 85/- cwt.; 56 lbs. @ 83/- cwt.; 7 lbs. @ 10d. lb.; Animal pulv., 1 cwt. @ 70/- cwt.; 56 lbs. @ 72/- cwt.; 7 lbs. @ 9d. lb.

Scammony Resin, Pulv., B.P., 7 lbs. @ 3/6 lb.; 1 lb. @ 4/- lb.

Shellac (Orange), 1½ cwt. @ 68/- cwt.; 7 lbs. @ 8½d. lb.

Soda Caustica, 28 lb. tins @ 8½d. lb.; 6 1-lb. bots. @ 10d. lb.

Soda Cit., B.P., 3 lbs. @ 3/2 lb.

Soda Sulphate, Recryst., 1 cwt. @ 17/6 cwt.; 7 lbs. @ 4d. lb.

Soda Sulphocarbolas, B.P., 7 lbs. @ 1/4 lb.; 1 lb. @ 1/7 lb.

Sodii Bromid., P.B., 7 lbs. @ 3/8 lb.

Soda Hyposulphite, pea cryst., 1 cwt. @ 15/- cwt.

Sodii Salicyl. Pulv., 4 lbs. @ 6/- lb.; phys. pur., 1 lb. @ 6/6 lb.

*Spt. Ether Nit. P.B., 4½ lbs. @ 3/8½ lb.; 1 lb. @ 3/11½ lb.

* " Ammon. Aromat., P.B., 5 lbs. @ 2/11 lb.

* " Chloroform, P.B., 5 lbs. @ 3/8 lb.

Strontia Bromid., 7 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.

Strychnina Cryst. B.P. 4 oz. @ 2/1 oz.; Hydroch. and Sulphate, 2d. oz. less.

Sugar of Milk, P.B., 1 cwt. @ 90/- cwt.; 7 lbs. @ 11d. lb.

Sulphonol, P.B., 1 lb. @ 13/- lb.

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* " Easton, B.P., 7 lbs. @ 1/2 lb.

* " Ferri Iodid. P.B., 7 lbs. @ 1/6 lb.

* " Ferri Phosph. Co., 7 lbs. @ 6½d. lb.

* " Hypophosph. Co. B.P.C., 7 lbs. @ 10½d. lb.

* " Pruni Virg. B.P., 8 lbs. @ 8½d. lb.

* " Rhamni, 7 lbs. @ 11d. lb.

* " Rhei, P.B., 7 lbs. @ 9d. lb.

* " Scilla, P.B., 7 lbs. @ 6d. lb.

* " Senna, P.B., 7 lbs. @ 9½d. lb.

* " Tolut, P.B., 7 lbs. @ 8½d. lb.

Thymol, 1 lb. @ 25/- lb.

Tinct. Aurantii Recens., B.P., 5 lbs. @ 3/6 lb.; bond, 8½d. Aquos, 10d. lb.

*Tinct. Belladon., B.P., 5 lbs. @ 3/3 lb.; bond, 6½d. Aquos, 1/2 lb.

*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/6 lb.; bond, 10d.

*Tinct. Camph. Comp. P.B., 5 lbs. @ 2/6 lb.; bond, 6½d. Aquos, 1/1 lb.

*Tinct. Cantharidis, P.B., 5 lbs. @ 3/11 lb.; bond, 6d. lb.

*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb. Aquos, 10d. lb.

*Tinct. Card. Comp., P.B., 5 lbs. @ 2/9 lb.; bond, 7½d. lb. Aquos, 1/- lb.

*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 7½d. lb. Aquos, 1/- lb.

*Tinct. Chlorof. c. Morph., B.P. 1885, 5 lbs. @ 2/- lb.; bond, 1/6½ lb.

*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/6 lb.; bond, 1/0½ lb. Aquos, 1/4 lb.

*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/1 lb.; bond, 10d. lb. Aquos, 1/2 lb.

*Tinct. Digitalis, B.P., 5 lbs. @ 2/9 lb.; bond, 6½d. lb. Aquos, 1/- lb.

*Tinct. Gelsem. P.B., 5 lbs. @ 2/11 lb.; bond, 6½d. lb. Aquos, 1/3 lb.

*Tinct. Gentiana Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 7½d. lb. Aquos, 1/- lb.

*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d. lb. Aquos, 1/5 lb.

*Tinct. Iodi, B.P., 5 lbs. @ 4/6 lb.; bond, 1/9 lb.; decolor., 5 lbs. @ 4/10 lb.; bond, 1/6½ lb.

*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7½d. lb. Aquos, 1/- lb.

*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9½d. lb.

*Tinct. Nuci Vom., B.P., 5 lbs. @ 3/- lb.; bond, 6d. lb. Aquos, 1/3 lb.

*Tinct. Opii., B.P., 5 lbs. @ 4/- lb.; bond, 2/10 lb.

*Tinct. Opium Aquos, 5 lbs. @ 2/10 lb.

*Tinct. Quinina Amm., B.P., 5 lbs. @ 2/10 lb.; bond, 1/0½ lb.

*Tinct. Rhei Co., B.P., 5 lbs. @ 2/6 lb.; bond, 10d. lb. Aquos, 1/- lb.

*Tinct. Scilla, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d. lb. Aquos, 10d. lb.

*Tinct. Senegæ, P.B., 5 lbs. @ 3/3 lb.; bond, 1/5½ lb. Aquos, 1/5½ lb.

*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.

*Tinct. Valeriana, 5 lbs. @ 2/9 lb.; bond, 6d. lb. Aquos, 1/- lb.

*Tinct. Valeriana Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb. Aquos, 1/2 lb.

*Tinct. Zingib., P.B. 5 lbs. @ 4/- lb.; bond, 6½d. lb.

*Tinct. Zingib. Fortlor., 5 lbs. @ 4/3 lb.; bond, 10½d. lb.

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" Acid. Carb., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.

" Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.

" Hydrargyri, B.P., 28 lbs. @ 2/- lb.; 7 lbs. @ 2/2 lb.

" Hydrarg. Ammon., B.P., 23 lbs. @ 1/- lb.; 7 lbs. @ 1/3 lb.

" Hyd. Nit. Dil. 7 lbs. @ 10d. lb.

" Paraff. Alb., P.B., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.; Flav. 28 lbs. @ 6d. lb.; 7 lbs. @ 7½d. lb.

" Resina, P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.

" Sulphuris, B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.

" Zinci Oxid. Benz., B.P., 28 lbs. @ 9d. lb.

Wax, Japan, 2 cwt. @ 62/6 cwt.; 7 lbs. @ 8d. lb.

Zinci Oleat. Powder, B.P.C., 7 lbs. @ 2/- lb.

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" Sulph., pure, 1 cwt. @ 18/- cwt.; 28 lbs. @ 2½d. lb.

" Sulphocarbolas, B.P., 7 lbs. @ 1/4 lb.; 1 lb. @ 1/7 lb.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 21, 14.

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The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

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at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3317 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

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- 5.—MIDDLESEX (Good-class Residential Locality).—Retail and Dispensing Business; conducted under management; returns £600, increasing; *net profit* £200; convenient house, private entrance; rent £36; price £350.
- 6.—LONDON, N.W.—Dispensing and Retail Business; situate in the main thoroughfare of good middle-class locality; returns 750; *full profits*; the shop is well fitted and thoroughly stocked; convenient house; price £300; illness cause of sale.
- 7.—KENT (few miles out).—Capital position in main road of good residential district; returns £703, gradually increasing; *net profit* about one-third; vendor estimates value of stock and fixtures at £450; price £450.
- 8.—SURREY.—Modern Pharmacy; situate in the centre of town; returns (present rate) £1,600; *net profit* about £350; full investigation permitted; the shop is handsomely fitted and has good stock; lease will be granted; price £950.
- 9.—SURREY (within easy distance of Town).—Good-class Business; situate in residential locality; returns (present rate) about £1,500; vendor, being desirous of selling immediately, will accept a very reasonable sum.
- 10.—BRISTOL CHANNEL.—Middle-class Retail trade, with Wine Licence; well situate in one of the principal streets; returns £1,500; well-fitted Pharmacy and good house; terms, valuation of stock and fixtures.
- 11.—WEST COAST.—Retail and Dispensing Business; returns show a steady increase and are now at the rate of about £800; *net profit* £225; excellent residence and large lofty shop; no serious opposition; price £500.
- 12.—SUFFOLK (Death Vacancy).—Old-established Business; much neglected; capable of considerable increase; returns average about £900 yearly; roomy premises, with outbuildings; rent £35; terms, valuation of stock and fixtures.
- 13.—MIDLANDS.—General Cash Retail and Agricultural trade; returns about £1,000 per annum; *net profit* 25 per cent.; good house and large garden with fruit trees, lawn, and greenhouse; rent £45; price £400.
- 14.—SURREY (Country District).—Will accept the value of stock and fixtures only; returns £400; *net profit* £160; rent £35, of which £20 is sublet; 9-roomed house, with outbuildings and large garden; excellent opening for small capitalist.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.
ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£2,000 returns.—SOUTH COAST.—Good middle-class Light Retail, Dispensing, and Photo; Prescriptions 10,000, not N.H.I.; good residence; popular and desirable winter resort; price £1,000, or nominal goodwill and valuation of stock and fixtures.

£1,400 returns.—SEASIDE, LANCASHIRE.—Exceptionally good Light-class Retail in fine position; attractive; net profit £300; price £900; very good residence and pretty garden.

£1,300 returns.—BIRMINGHAM.—Good middle-class Retail, with some Optical and Photo; increasing and capable of further development; price £650, about value of stock and fixtures.

£1,000 returns.—LIVERPOOL.—Good position and low rent; net profit £250; very few Patents; knowledge of French would greatly assist.

£530 returns.—LINCOLNSHIRE (Small Town).—Has done much more and could again with personal attention; valuation about £200.

£940 returns.—LANCASHIRE.—Net profit £250; price £425, or valuation.

£500 returns.—YORKSHIRE.—Light middle-class Retail, old-established, in good-class town; qualified man could greatly increase; price £225.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Tel. No. Finchley 812.

Recommended by—

BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.

All correspondence should be addressed as above:

And at 174 VICTORIA STREET, S.W. Tel. No. Victoria 2.
EASTERN COUNTY (Large Town).—Continuously increasing Business; good house, and shop well fitted; low rent; net profit £260; price £340.

VENDOR Retiring.—Old-established prosperous Business; best position, S. Wales manufacturing town; pleasant surroundings; no goodwill; net profit near £400; price about £1,000; part purchase money can remain.

MANY others in Town or Country, Dispensing* or Retail, cash or credit, heavy or light. INQUIRY INVITED.

Buyers' Register. Vendors invited to apply for form to fill in with particulars of Business they desire to sell, which is treated with strict confidence.

The examination of Businesses for Sale or Purchase is made on specially low terms. Parson C. Baker has made a speciality of this, and his long experience in every class of business enables him to give valuable advice and assistance in negotiations.

Valuations, Sale, Probate, or Account. Terms moderate.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS.

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—HOME COUNTY (25 miles out).—Good-class Light Country Retail, in best position of pleasant market town; returns £1,200, increasing; net profit £350; large house and garden; stock and fixtures worth fully £650; price £800, or near offer; will stand fullest investigation.

2.—SURREY.—High-class Business in first-class residential district; now under manager; was doing £1,400, and can be made do £2,000; in excellent position; handsome modern front, and fully stocked; low rent; price £750, or £100 and valuation; personally inspected and recommended.

3.—LONDON, S.W.—High-class Dispensing and Family Retail Business in first-class residential suburb; splendid position; returns £1,300, increasing; good profits; low rental; handsome pharmacy; price £900 or offer.

4.—LONDON, N.E.—Cash Retail and Prescribing Business; not on Panel; plenty of scope; present returns about £15 weekly; main busy thoroughfare; fully stocked; same hands many years; price £300.

5.—CHESHIRE.—Good-class Dispensing and Light Retail; over 3,500 private scrips yearly; returns £1,000; net profit £300; Assistant kept; good residential locality; nice house, etc.; price £750.

6.—BIRMINGHAM.—Light Family Retail, Prescribing and Dispensing Business; returns over £1,300; clear net profit £400; low rent; lock-up shop, well fitted and heavily stocked; price £650, under valuation.

7.—LINCOLNSHIRE.—Good-class Retail, Dispensing, and Prescribing, with N.H.I.; returns £1,600; net profit about £600; low rent; busy market town; price £900.

8.—DERBYSHIRE.—Unopposed Light Village Retail Business; returning £550 to £600, plus Panel; low rent; owner desirous of offering his services to the country, will accept the low sum of £250.

9.—NORFOLK.—Old-established Retail and Agricultural Business, in good market town; same hands many years; neglected; returns over £800; net profit about £250; can easily do £1,200; price simply valuation, all over £400 can remain.

10.—SOUTH COAST.—Good-class Retail and Dispensing, with own Proprietaries; net profit £276; attractive shop, well fitted and stocked; large house and garden; same hands many years; price, simply valuation; part can remain.

11.—DEVON COAST.—Good-class Retail and Dispensing Business, increasing; returns nearly £800; good profits; large shop, modern fittings and good stock; price £500, little more than valuation.

12.—LONDON, N.W.—Sound middle-class Cash Retail Business; in good position; returns over £1,500; net profit nearly £500; books open to fullest investigation; own property; low rent; price £800.

13.—HAMPSTEAD (near).—Good-class Retail and Dispensing; no side-lines; returns average £750; now under manager; large handsome shop; main road position; price only £250; worth attention.

BUSINESSES WANTED.

Messrs. BERDOE & FISH having been successful in disposing of several businesses lately, are now in want of sound concerns returning from £800 to £3,000. Cash buyers waiting. Strictest confidence guaranteed. Intending vendors are cordially invited to correspond.

BUSINESSES FOR DISPOSAL.

3s 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

DISAPPOINTED.

A Chemist (150/50) writes:

"In last week's Supplement I saw a Chemist's Business advertised for sale. It seemed likely to suit me, and I wrote for particulars. 'Already sold' were succinct words in the reply received. A quick bit of business within three days of the advert. appearing."

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. H.," 113 Bridge Street, Bradford.

KENT (10 miles from London Bridge).—Well-established, progressive business, showing for the last four years an average 50 per cent. gross profit; to be had at price of stock and fittings (about £600); good prices and mostly cash; present proprietor, owing to domestic trouble, desires to leave the neighbourhood. "Jaborandi" (58/16), Office of this Paper.

LANCASHIRE.—Sound Business; established over 20 years; situated in residential part of large industrial town; no near opposition; rare chance for enterprising Pharmacist; rent (on lease) £22; Wine Licence attached; purchase price near value of stock and fixtures; further particulars to bona-fide purchasers only. Apply, 59/4, Office of this Paper.

LONDON, E.—Light Retail in thickly populated district; takings last year over £800; nice shop and house; lease; rent £50 and taxes; price £250 cash. 61/25, Office of this Paper.

LONDON, S.W.—Old-established Business; run on modern lines; splendidly fitted with electric light and gas; well stocked; long lease; open to reasonable offer for immediate purchase. Personal inspection invited after applying to "Seltart" (169/46), Office of this Paper.

S.W.—Compact, well-fitted Drug Stores for Disposal; doing £12 week under qualified supervision; could easily do £15; grand scope for N.H.I. and Dental work; well stocked; price £175; part could remain if desired. 61/22, Office of this Paper.

SOUTH COAST.—Small Drug Store for Disposal; rent £30; splendid opening for N.H.I.; neatly fitted double-frontage shop; proprietor will sacrifice for £85, or fittings only for £40. "A. B. C." (53/10), Office of this Paper.

SOUTH COAST.—Light Retail and Dispensing; well fitted and stocked; main thoroughfare; returns about £900, increasing; fairly good prices; rent £70, on lease; cash buyers only treated with; price £850. Apply, 58/31, Office of this Paper.

SOUTH WALES.—Mixed Business for Sale in Colliery district; takings over £1,400 per annum, including N.H.I. £300; profits excellent; every investigation courted; price £600, part of which could remain; the business occupies a good position in a rapidly developing neighbourhood, and is a real bargain. 54/24, Office of this Paper.

SURREY.—Unopposed Light Country Retail; established by vendor five years and increasing yearly; returns last year £620, almost entirely cash; net profit £200; books kept; nicely fitted, well stocked; very little N.H.I. Dispensing; scope for Optics; price £375. W. W. Thomas, Chemist, Knaphill, near Woking.

CHEMIST and Drug Stores for immediate Sale owing to death; population 2,000; nearest Chemist 5 miles; exceptional chance for anyone with capital; will accept first reasonable cash offer; rent £18 and taxes. "Chemist," Rainham, Essex.

CHEMIST, joining R.A.M.C., wishes to Dispose Business in S. Wales mining village; established 2 years; returns first year £550, second year £750; population 5,000, rapidly increasing; new developments; no opposition; scope for Dentistry, Optics, and Prescribing; every investigation; cash £285. Reply, 60/6, Office of this Paper.

CHEMIST'S, Stationers', etc.; country town in the South of England; old-established business, showing good profit; £500 only; stock and fittings at valuation. Reply, 281/11, Office of this Paper.

GENUINE progressive Business for immediate Sale in a growing town, Wilts; satisfactory reasons for disposal; practically no opposition; fine chance for a smart young Chemist with £400 cash; splendid double-fronted shop; nice house and garden; moderate rent and expenses; plenty of N.H.I. Dispensing may be had. 58/6, Office of this Paper.

GENUINE Business in mining village, County Durham; population over 4,000; no opposition; on Panel; well fitted and stocked; net profit 1913 £214, 1914 (first ten months) £233; rent £18; sacrifice for £175 or nearest offer; not been advertised before; early sale desired. 41/39, Office of this Paper.

OLD-ESTABLISHED Business in Western country town for Sale after Xmas; premises good and centrally situated; business sound and capable of considerable extension; exceptional opening for Dentistry; terms, valuation for prompt sale; references required. Wake, 8 Chestnut Avenue, Crossgates, Leeds.

POPULAR Health Resort.—High-class Pharmacy in main thoroughfare; doing considerable private Dispensing and in touch with four leading Doctors in town; ingoing about £700 to £800; capital house with separate entrance; selling due to family reasons. Apply, "Mainspring" (163/25), Office of this Paper.

TENDERS.

KENT AND CANTERBURY HOSPITAL.

TENDERS are invited for supplies of Drugs and Dressings for this Hospital for the year 1915.

Forms of Tender may be obtained of the Secretary, and should be delivered here on or before Saturday, December 5, marked outside "Tender."

The Board do not bind themselves to accept the lowest or any Tender.

A. J. LANCASTER, Secretary.

November 20, 1914.

BUSINESSES WANTED.

A SOUND Retail Business required, which must bear the closest investigation, preferably within 25 miles of Sheffield; a small business not objected to if there be scope for increase; good house accommodation essential; replies will be treated confidentially. Sycamore House, Grenoside, near Sheffield.

DRUG Stores, hitherto under unqualified management, wanted in crowded working-class district in London; real opening for N.H.I. Dispensing and proximity to Panel Doctors essential. Full particulars and price to 60/11, Office of this Paper.

PHARMACIST requires Retail Business on the Coast, with good fresh-water fishing handy; Norfolk preferred, but not essential; net profit not less than £220 per annum; cash ready. Price and full particulars, in confidence, to "Ocellatus" (58/17), Office of this Paper.

£5 given for information (if acted upon) of an opening for Pharmacist, or neglected Business will be considered; not particular to district; in confidence. "S. G.," c/o Ucal, Ltd., Cheltenham.

FOR SALE.

FOR Sale, cheap, National Cash Till; ticket-printer; recent model; good condition. Write, "C. E. O.," 214 Queen's Road, Walthamstow, N.E.

TO LET.

CHEMIST.—House and Shop to Let; good opening; no Chemist in the neighbourhood; 38 St. Peter's Street, Islington; key No. 40; rent £40. Apply, A. Farrant, 13 Maryland Road, Wood Green, N.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

AGENTS wanted, calling upon Chemists, Druggists, etc., to carry as a side-line a smartly got up new brand of Eau de Cologne; commission payable weekly. Apply, with references, giving ground covered, to 55/32, Office of this Paper.

DUTCH firm, competing with first-rate German houses, intend to manufacture articles which England till now has obtained from Germany. Apply, with mention of articles, 162/2, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

NATURE OF ADVT.	REPLIES
MANAGER	29
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This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BEVERLEY.—Wanted, at once, an Assistant (outdoors) for all-round work; one not afraid of work and with good references. Full particulars to Stanser, Chemist, Beverley.

BIRMINGHAM Suburb.—Junior; outdoors; Dispensing, Counter; good Window-dresser. Age, height, salary required, Goode, Ph.C., Erdington, Birmingham.

BIRMINGHAM.—Assistant; unqualified; experienced; gentlemanly; good Salesman and Dispenser; one accustomed to good-class trade. Apply, giving full particulars of age, height, experience, salary required (outdoors), and if convenient enclose photo, to Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

BIRMINGHAM.—Assistant (Junior) for Counter; experienced. with a good knowledge of Dispensing. Mayous, Ltd., Chemists, Salfrey, Birmingham.

BRIGHTON.—Required, gentlemanly Junior, about 21, for modern Cash Retail business; good Counterman and Window-dresser. State age, experience, references, and salary required (outdoors) to F. W. Burgess, Chemist, 138 Preston Drive, Brighton.

CARDIFF.—Assistant, unqualified; 20-25; indoors; excellent experience in Galenical Pharmacy and Dispensing; chance of comfortable berth to man capable of adapting himself and willing to work. State when disengaged, salary required, references, with photo, to R. Drane, Ltd., Cardiff.

COVENTRY.—Qualified Assistant for Branch wanted; also Junior. State age, experience, salary required (outdoors), and when disengaged, Bird, Chemist, Spon Street, Coventry.

EASTBOURNE.—Improver wanted for high-class Dispensing business. State salary (outdoors), with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

IRELAND.—Assistant required; accustomed to Country business; good Counterman, etc. State lowest salary, references, any Dentistry experience, Cole, Chemist, Cavan.

PHARMACEUTICAL SOCIETY OF IRELAND.

THE Council of this Society will, at the December monthly meeting, proceed to the appointment of an Examiner for the Preliminary Examination, subject to the approval of his Excellency the Lord Lieutenant and the Privy Council of Ireland.

Full particulars will be supplied by the Registrar, with whom applications should be lodged not later than the 30th instant.

ARTHUR T. FERRALL, Registrar.
67 Lower Mount Street, Dublin,
17th November, 1914.

LONDON.—Young qualified Assistant required for a high-class business in the City; comfortable permanency to a steady and reliable man. State age, experience, and salary required, 75/200, Office of this Paper.

LONDON.—Exceptional opportunity for smart, energetic qualified Manager, of sound ability and experience, to take charge of first-class Chemist's business; must be married man. State fullest possible particulars in first letter, 59/39, Office of this Paper.

LONDON.—Qualified Assistant, about 25, required (indoors) for high-class Pharmacy where several others are kept; comfortable permanency; hours and duties easy. Apply, W. Brown, 509 Finchley Road, Hampstead, N.W.

LONDON.—A qualified Assistant for early in December; indoors. Apply personally if possible, or by letter, stating age and salary expected, to H. S. Hairsine, 47 Haymarket, London.

LONDON, N.—An unqualified Assistant wanted as soon as possible; outdoors; used to Dispensing and Counter. Apply personally, or by letter, giving full particulars as to age, height, salary required, experience, and references, to F. J. Sandberg, 22 Regent's Parade, North Finchley.

LONDON, S.E.—Wanted, an Assistant (indoors) for small Branch; suit elderly man; moderate salary. Apply, full particulars, "Chemist," 9 The Village, Old Charlton.

LONDON, S.W.—Junior Assistant wanted for good-class Cash business; outdoors; hours 8.30 to 8.30; no Sunday or Holiday duty. Apply, with full particulars as to experience, salary required, etc., to H. S. Durbin, 19 Victoria Road, Surbiton.

LONDON, W.—Required, tall, experienced Assistant, age 26 to 32, as Second Hand; first-class appearance and address and clever Salesmanship imperative; liberal salary and permanency (outdoors) to suitable applicant; qualification unnecessary if otherwise competent; interview essential. Letters first and particulars to W. V. Wright, 25 Broadway, Hammersmith.

LONDON, W.C.—Junior or Improver; bright, energetic, active, willing to learn and to make himself useful all round; outdoors. Apply personally, or by letter, enclosing photo and giving full particulars as to age, height, ability, experience, and salary required, Cofman's Pharmacy, 6 Bloomsbury Street, W.C.

LONDON, W.C.—Junior Assistant required at once for good-class Pharmacy; outdoors. J. W. Roberts, Tavistock Place, Russell Square.

MANCHESTER.—Wanted, Junior Assistant; outdoors; good-class Dispensing business. Apply, stating full particulars, to A. Jacklin, Ltd., 118 Wilmslow Road, Withington, Manchester.

MANCHESTER.—Wanted, at once, Assistant for Dispensing and Counter; capable of taking charge. Apply, stating salary, age, height, references, enclose photo (to be returned), Thorp, Princess Road, Moss Side, Manchester.

NEAR London.—Junior, unqualified, required for high-class business; opportunity for capable young man gaining excellent experience; outdoors; permanency. State age and salary required, 57/20, Office of this Paper.

PRESTON.—Improver required for Mixed business; splendid chance for obtaining very useful experience. State age, salary required, and when at liberty, 57/200, Office of this Paper.

S.E.—Junior Assistant, of some experience, for working-class district; considerable Insurance Dispensing and brisk Counter trade; weekly holiday and alternate Sundays; good wages for active, obliging Assistant. Full particulars to 61/17, Office of this Paper.

SOUTHSEA.—Wanted, energetic gentlemanly Assistant, tall, single, outdoors, in good-class Dispensing and Retail. Apply, with full particulars of age, height, experience, references, and salary required, to W. A. Bell, The Strand, Southsea.

WORTHING.—Assistant wanted, unqualified; permanent; good-class business. Send particulars, with references, to W. Aston, Pharmaceutical Chemist, Worthing.

ASSISTANT.—unqualified, not under 35, for Prescribing, Extracting, and Speciality business; outdoors; permanent; good references essential. Hulme's, Chemist, Nottingham.

ASSISTANT wanted for Country business; Junior preferred; outdoors. Apply to Stedman & Co., Ltd., West Malling, Kent.

ASSISTANT (unqualified) wanted; must be tall, good Counter-man, have a thorough knowledge of business; good progressive salary to the right man; all applications treated with privacy. State age, height, experience, when disengaged, salary required, to Simpson, 135 Queen's Road, Brighton.

ASSISTANT, unqualified, about 25, for good-class Retail and Dispensing business; indoors; comfortable berth. State age, height, salary, enclose photo if possible, particulars of last two engagements, J. Baily & Co., 2 Ethelbert Terrace, Margate.

ASSISTANT required for good-class business; accustomed to Dispensing. Please state all usual particulars, Darling & Roberts, 81 Stoke Road, Gosport, Portsmouth.

ASSISTANT, unqualified (outdoors), required for high-class Store business; must be a reliable Dispenser and tactful Salesman; hours—open 8.45, close Monday, Tuesday 7.30, Wednesday 1, Thursday, Friday 8, Saturday 10; no Sunday duty. Apply, stating full particulars of age, height, previous engagements, salary required, enclosing photograph, to Hicks, Chemists, Cardiff.

COLE & ELKINGTON, Central Pharmacy, Lee, S.E., require a Junior Assistant (indoors), with good Dispensing experience, for the middle of December.

COMPETENT Assistant, about 23; experienced in first-class Dispensing and Retail; qualified or unqualified; live out but sleep on premises, or indoors if desired. Apply personally, or with full particulars of previous engagements, salary, etc., enclose photo if convenient, to "A. W.," c/o Alsop & Quiller, 137 Sloane Street, S.W.

DISPENSER (lady) required in Dispensing Department of London Wholesale Druggist. State age, experience, qualifications, and salary required to "A. B." (59/26), Office of this Paper.

DISPENSER (lady or gentleman), qualified (Minor), wanted; must be thoroughly capable and a good writer. Please give full particulars as to age, height, salary required, previous experience, and enclose photo, to Chave & Jackson, Ltd., Chemists, Hereford.

ELDERLY qualified Chemist required, mainly for N.H.I. Dispensing; comfortable and permanent berth. State age, salary required, 57/020, Office of this Paper.

F. M. RIMMINGTON & SON, LTD., 9 Bridge Street, Bradford, require an Assistant, about 22, with good Dispensing and Counter experience; outdoors. State salary required.

IMPROVER or Part-time Assistant; also a gentlemanly youth as Apprentice or Pupil; outdoors. Apply Chas. Thompson, Pharmaceutical Chemist, Sparkbrook, Birmingham.

JUNIOR Assistant (outdoors), about 22, required for good-class Retail and Dispensing business; must have had smart Counter experience. Address, stating age, height, salary, references, etc., and enclosing photo (to be returned), to T. & W. Woodruff, Chemists, Cheddle, Ches.

JUNIOR or Improver for good-class business. W. Pickard, 3 West Kensington Terrace (opposite West Kensington Station), W.

JUNIOR (outdoors), with Dispensing experience. State age, height, salary required, and references, and enclose photo, Frank Rye, 119 Poole Road, Bournemouth West.

JUNIOR Assistant; qualified; first-class business; Miller & Co., 42 Mount Ephraim, Tunbridge Wells; also whole or part-time Junior or Student for London. Apply, Mr. Robinson, 205 Brompton Road, S.W.

JUNIOR Assistant, gentleman or lady, outdoors, for the Dispensing Counter. Full particulars, with photo, to T. O. Barlow, 2 Palmerston Road, Southsea.

MR. E. J. WILSON, Pharmacist, requires a reliable Assistant of gentlemanly appearance and address; age 25 to 30; unqualified; married; must be highly recommended; free house and gas and good salary and commission. Apply, with photo, The Pharmacy, Portishead, Somerset.

QUALIFIED Dispenser required immediately. Apply, Doctors Passmore, Smith, Johnson & Hackett, 3 Casgate Street, Gainsborough.

QUALIFIED Manager for small Branch wanted at once; temporary or permanent. Apply, stating age, references, experience, and salary required, to "Yorkshire" (58/18), Office of this Paper.

QUALIFIED Assistant, age about 23, wanted about the middle of December. Dyson & Co., 35 Gloucester Road, South Kensington.

QUALIFIED Assistant, preferably one not liable for active service. Please apply, with full particulars of experience, etc., to Frank A. Rogers, 327 Oxford Street, W.

THE Insurance Committee for the County of Kent require the services of a Female Dispenser, qualified, to check National Health Prescriptions; the appointment will be a temporary one, probably for the duration of the war; salary 30s. per week. Applications, to be forwarded immediately to the undersigned, Chas. M. Watts, Clerk to the Committee, Station Road, Maidstone.

UNQUALIFIED single young man wanted at once as Assistant in a country Drug Store, Mixed trade (Wilts); little knowledge of Photography essential, also soliciting; easy hours and weekly half-day holiday. Please state age, height, and experience, with salary required, to 58/06, Office of this Paper.

UNQUALIFIED Assistant, at once. State age, salary required, references, photo, and when at liberty, Allison, Chemist, Cockermouth.

UNQUALIFIED Assistant required (outdoors). Luther Bye, Chemist, Aummanford, Carmarthenshire.

UNQUALIFIED Assistant wanted for good-class Family and Dispensing business; must be a good Counterman; hours 8 to 8; no Sunday duty. State age, height, salary, references, and photo to W. H. Pearson, Cornmarket Street, Oxford.

UNQUALIFIED Assistant wanted; about 8 or 10 years' experience; hours 9 to 9.30, Thursday 9 to 1, Friday and Saturday about 10.30; one hour allowed for dinner and one for tea; working-class Drug Store; must be good Window-dresser and Prescriber; wages 30s. Grant, 33 Chatsworth Road, Clapton Park, N.E.

UNQUALIFIED.—Wanted, immediately, smart Junior, unqualified. Salary required and full particulars, Kennedy, 2 Park Road, Liverpool.

WANTED, smart unqualified Assistant for Liverpool. State salary and give full particulars, 166/69, Office of this Paper.

WANTED, at once, for good-class Dispensing business, capable Junior; unqualified; outdoors; must be good Counterman, quick and accurate Dispenser. Apply, with full particulars, stating salary required, to Wallace, Chemist, 9 High Street, Beckenham, Kent.

WANTED, immediately, gentleman or lady, Minor qualification, to undertake Branch; General Retail, Insurance Dispensing; hours 8.30 to 8, Wednesday 1, Friday 9, Saturday 10; business pleasantly situated, also easy reach Southport and Liverpool; no Sunday duty. Suit person requiring moderate salary, which please state, with full particulars, 58/38, Office of this Paper.

WANTED, immediately, reliable unqualified Assistant; outdoors; used to Dispensing and good-class Cash trade; London experience not essential. Reply, with full particulars as to age, height, salary required, and references, to Cave, Austin & Co., Ltd., 164 Rushey Green, Catford, S.E.

WHOLESALE.

A LONDON firm of Wholesale Druggists has a vacancy in its office for an Assistant who has had French Pharmacy experience and who has a knowledge of French. Apply, by letter, with full particulars, "H." (169/52), Office of this Paper.

BRITISH DRUG HOUSES, THE.—Assistants required in the Analytical Laboratories; either temporary or permanent engagement. Applicants should state age, qualification, experience, and salary required, 22-30 Graham Street, City Road, N.

CHEMIST, qualified, well up in the manufacture of Galenicals by modern methods, required by Wholesale house. Please give full particulars, salary expected, etc., 61/1, Office of this Paper.

COUNTER hand for Wet Counter, experienced, wanted at once. Burgoyne, Burbidges & Co., East Ham, E.

COUNTER Hands (Wets).—Experienced men wanted at once. Apply, "W. M. C.," Burgoyne, Burbidges & Co., East Ham, E.

DRY Floor.—Two or three smart Dry Floor hands wanted immediately; permanencies for suitable men. Apply, in the first place by letter, to Messrs. May & Baker, Ltd., Garden Wharf, Battersea, London, S.W.

EXPERIENCED young woman required, capable of taking charge of the Perfume hands of a London Factory; must be a good Ribboner and disciplinarian. "Opoponax" (108/91), Office of this Paper.

EXPERIENCED Tincture-maker required, accustomed to working on large quantities. Write, with full particulars of salary, etc., "Tinctura" (166/9), Office of this Paper.

EXPERIENCED Tablet-maker required. Full particulars, stating previous experience, wages asked, etc., to "Forceful" (166/18), Office of this Paper.

HOUGH, HOSEASON & CO., Manchester, require Representative to call on Chemists and Doctors; state fully particulars ground covered, experience, salary, etc.; their present gentleman having accepted a commission in the Army; several Juniors also required for various departments.

INVOICE Clerk, experienced, wanted; also youth as Assistant for Despatch Department. Particulars, age, and salary required to Baiss Brothers & Stevenson, Ltd., Wholesale Druggists, 175 Grauge Road, Bermondsey, London.

INVOICE Clerk required by Wholesale Drug house in City; one with knowledge of Export work preferred. Apply, giving age, experience, and salary required, to 61/40, Office of this Paper.

PACKERS.—Two or three experienced Export Packers required; permanencies for suitable men. Apply, in the first place by letter, to Messrs. May & Baker, Ltd., Garden Wharf, Battersea, London, S.W.

PILLS.—Man wanted for Coating in Pearl, Gelatine, and Sugar; permanency if found suitable. Apply by letter to "Pills," 66 Park Street, S.E.

SUNDRIES house has vacancy for Invoice Clerk; acquaintance with Patents and Sundries and able to take down 'phoae orders correctly essential. Please state particulars of experience and salary required to 55/39, Office of this Paper.

TABLET Maker.—Experienced Second Hand, capable of taking control in absence of Foreman, wanted immediately. Apply, stating experience, wages required, to Burgoyne, Burbidges & Co., East Ham, E.

TABLET Making.—Experienced Second Hand, capable of taking control in absence of Foreman, wanted immediately. Apply, stating experience, wages required, etc., to "W. M. C.," Burgoyne, Burbidges & Co., East Ham, E.

TABLETS.—Maker and Coater required, experienced. State age, experience, salary required, and all customary information to "Tablets" (58/21), Office of this Paper.

TRAVELLER wanted for few select Packed lines in Medicinal Capsules; England; commission; good agency for popular Traveller. 59/13, Office of this Paper.

TWO experienced Dry Counter men wanted. Apply, stating full particulars, to "W. M. C.," c/o Burgoyne, Burbidges & Co., East Ham, E.

WANTED by a well-known Soap and Perfumery Manufacturers. Representative for the Northern Counties. Apply, giving full particulars as to age, present position, remuneration required, etc., to 163/41, Office of this Paper.

WORKING Pharmacist required for Manufacturing Laboratory in provinces; must have experience in making Tinctures, Extracts, etc. State age, experience, and salary required, 166/17, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

QUALIFIED Chemist wanted for British East Africa, with a knowledge of Photography; salary first year £250, second year £275, third year £300; second-class passage paid out. Apply by letter, stating age and qualifications, and enclosing copies of testimonials, to Davis & Soper, 54 St. Mary Axe, London, E.C.

APPRENTICESHIPS.

APPRENTICESHIP.—Wanted, well-educated youth in good-class business; indoors; comfortable home; one who has passed Preliminary preferred. C. J. Roe, Chemist, Epsom.

IN Ireland.—A boy of 16, of good family, requires Apprenticeship; indoors; South preferred. 60/7, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office; and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

ACCURATE, reliable, unqualified Dispenser requires post with Doctor or Chemist; disengaged now. 60/40, Office of this Paper.

ADVERTISER seeks situation; 26; tall; Counter, Dispensing, Photography, Sight-testing (own equipment); last situation three years. "Optician," 27 Osborne Road, Stroud Green, N.

AS Manager.—Pharmacist, thoroughly experienced (West End, Provincial, Continental), good appearance, young, active, willing, desires permanency; excellent references. Simmons, 11 Trinity Street, Norwich.

ASSISTANT (lady) desires situation near College; 7 years' Retail experience; any district. 52/30, Office of this Paper.

ASSISTANT, unqualified; keen, tactful Salesman; Dispensing; attractive Window-dresser; Photography; excellent references. Apply, 59/2, Office of this Paper.

ASSISTANT; 23; active; 5 ft. 5 in.; good Retail Counterman; 8 years' experience; at liberty immediately; Lancashire or Yorkshire preferred. Apply, 59/26, Office of this Paper.

ASSISTANT, Manager, or Locum; trustworthy; excellent references. Forster, 5 Coleridge Road, Finsbury Park, N.

ASSISTANT, unqualified, seeks evening employment. "Pen-hurst," 36 Umfrville Road, Hornsey.

BELGIAN Pharmacist (refugee) desires situation in English Pharmacy or Wholesale house; speaking French, Flemish, Dutch, and a little English. E. Ingebos, 18 Dalgarno Gardens, Kensington.

BELGIAN Pharmacist (from Ghent), 32, Diploma Brussels University with distinction, desires occupation until circumstances allow of his return to his own Pharmacy. Address, Edgard Charon, 3 Rhine Villas, Clacton-on-Sea.

BRANCH Manager or Assistant; experienced in General Retail, Photographic, and Dispensing; 43; unregistered. "Statim," 1 Mount Street, Lockwood, Huddersfield.

BRANCH Manager or Assistant; London only; unqualified; single; abstainer; 42; 5 ft. 10 in.; good references; disengaged; all-round experience. "Hodie," 10 Alcearn Road, Clapton, London.

BUSINESS-BRINGING Window-dresser; terms arranged. "Drugs," 3 Wood Lane, W.

DISENGAGED; Senior; Locum, temporary; experienced. "Reliable," 64 High Street South, East Ham.

DISPENSER (Hall); 5 years present position; Hospital experience; excellent references; age 27; married; abstainer; trustworthy; any well-paid permanency. 56/25, Office of this Paper.

DISPENSER or Assistant Manager; first-class experience. "Dispenser," 58 Malvern Road, West Kilburn.

ELDERLY; qualified; single; active; best-class experience; moderate salary. 58/27, Office of this Paper.

ELDERLY Chemist; disengaged; N.H.I. Dispenser. "Minor," 19 Loxham Street, Great Lever, Bolton.

EVENING every Wednesday and alternate Sunday duty; competent. "Liber," 60 Cavendish Road, Clapham.

EXPERIENCED Lady Dispenser requires position near Liverpool. 25 Cecil Road, Seaforth, Liverpool.

EXPERIENCED Manager; 36; good references; disengaged; unregistered. "Chemicus," 12 Pentonville, Newport, Mon.

EXPERIENCED qualified man; 42; single; whole or part-time; nominal salary during war. "Norland" (59/31), Office of this Paper.

JUNIOR (19) requires situation; free January. Apply, 54/22, Office of this Paper.

JUNIOR Lady Assistant; Dispense (Hall qualification); outdoors; London. 61/7, Office of this Paper.

L.P.S.I., desirous of change, wishes hear Managership, view succession preferred; strict teetotaler; capable man; excellent credentials; business builder; knowledge Photography, Veterinary, etc.; religion C.I.; age 38; married. 54/23, Office of this Paper.

LADY Dispenser, Hall qualification, one year's practical experience, requires post with Medical man or in Hospital (latter preferred). References on application, 57/16, Office of this Paper.

LADY Assistant; 8 years' experience; Counter, Stockkeeper; L knowledge of N.H.J. Pricing; highest references. Miss Waller, 18 The Chase, Clapham Common, S.W.

LADY (20), Apothecaries' Hall qualification, requires post as Dispenser to Medical man or Institution. "M.", 38 Northampton Road, Croydon.

LADY, unqualified, desires Part-time employment, Liverpool. "Beta," 77 King Street, Egremont.

LADY; 22; unqualified; good experience in Counter, Dispensing, and Bookkeeping. 60/3, Office of this Paper.

LADY Junior (Apothecaries' certificate) requires post as Dispenser to Medical man or in Hospital. References on application, 58/26, Office of this Paper.

LOCUM; qualified; now disengaged; splendid experience. "Rhei," 116 Galloway Road, Shepherd's Bush, W.

LOCUM, qualified, 27, tall, first-class experience, desires Part-time. 60 9, Office of this Paper.

LOCUM; qualified; 49; first-class experience and testimonials; disengaged. "Dewey," 3 Helena Avenue, Margate.

M.P.S.; 25; West-End experience; good references. "W. G.," 34 Hazlitt Road, West Kensington, W.

MANAGER; qualified; married; 4 years' reference present engagement; London preferred; disengaged December 2; permanency desired. 58/25, Office of this Paper.

MANAGER, Assistant, or Locum; qualified; married; good experience. "Statim," 144 Empress Avenue, Ilford.

MANAGER; qualified; 36; 5 ft. 10 in.; thoroughly experienced; Photography; married; abstainer; permanency. Parkinson, 2 Pembroke Terrace, Spring Grove, Osterley Park, W.

MANAGER or Senior; 30; qualified; good all-round experience; good worker; London only. "Chemist," 20 Lillian Road, Castlenau, Barnes.

MANAGER; qualified; married; middle-aged; thoroughly experienced; outdoors; disengaged; London, N.W., preferred. Address, "Anglo-Scot," 21 Minster Road, Hampstead, N.W.

MANAGER or Senior; qualified; middle-aged; single; tall and active; good references and experience; provincial town preferred; permanent or temporary. 59/28, Office of this Paper.

MANAGER or Senior; qualified; good references and all-round experience; active and reliable; moderate salary; Lancashire or Midlands preferred. "Pharmacist" (59/14), Office of this Paper.

MANAGER or Senior; sound experience; Dispensing, Salesman, Window-dresser, etc.; satisfactory references; 45; tall; energetic; qualified. "Taetful," 37 Holtby Street, Blackley, Manchester.

MANAGER with view to succession or Partnership; business with small Wholesale preferred. 59/7, Office of this Paper.

MANCHESTER experience; qualified; 35; Senior or Branch Manager. References, etc., 59/3, Office of this Paper.

PART-TIME Assistant; 38; tall; unqualified; good all-round experience; good Counterman; disengaged. "H." (61/19), Office of this Paper.

PART-TIME, afternoons and evenings; experienced; good Dispenser; highest references. "Tenax," 49 Newgate Street, E.C.

PART-TIME; unqualified; experienced; middle-aged; tall; Dispense, etc. "Radix," 94 Edward Street, New Cross.

PART-TIME; experienced; Hall qualification; mornings, evenings, or whole day; take sole charge. "Chemist," 36 Grove Hill Road, Denmark Hill, S.E.

PHARMACIST, 15 years' experience in Wholesale and Retail, desires position as Manager; smart appearance. 60/09, Office of this Paper.

PHARMACIST, 34, 5 ft. 10½ in., good all-round experience, wishes situation; Senior or Managership. Particulars, etc., "Scotsman" (60/4), Office of this Paper.

PHARMACIST, American qualification, with good Cosmopolitan experience, desires situation in first-class Pharmacy in London; speaks French and English fluently. 59/21, Office of this Paper.

QUALIFIED (24), experienced, disengaged, desires outdoor situation in or near London. A. C. Smith, 63 Broxash Road, West Side, Clapham Common.

QUALIFIED (24), smart, energetic, reliable, desires situation for next two or three months; London or South preferred. H. Jackson, Imperial Pharmacy, Blackpool.

QUALIFIED; Manager or Assistant; 26; married; disengaged December 5; first-class references and experience; Photography, Optics, Dispensing. Tattersall, Redcliffe, Cleadon, Sunderland.

QUALIFIED; young, capable; excellent references; Part-time in Liverpool. "J. C. T.," 21 Onslow Road, Liverpool.

QUALIFIED (23) desires berth in large town; good references; abstainer. "Radix," Batt's House, Edenbridge, Kent.

QUALIFIED; 31; Dispensing and Counter; London preferred. "Robinson," 106 Barcombe Avenue, Streatham Hill, S.W.

QUALIFIED (23), good-class provincial experience, West-End Dispensing, requires situation in an all-round high-class Pharmacy; opportunities for advancement and Counter; preferably qualified Chemist-Optician, not essential; personal interview if near; disengaged Xmas. "Energetic," 12 Bassett Road, Notting Hill, W.

QUALIFIED; Assistant or Manager; good experience. Write, 59/33, Office of this Paper.

QUALIFIED; Locum; elderly; disengaged; terms moderate. J. Green, 23 Victoria Road, Edmonton.

QUALIFIED; disengaged; any capacity; wages and hours moderate. "Chemist," 297 Essex Road, Islington, N.

QUALIFIED Assistant seeks permanency as Counterman or Manager; nearly two years in charge of first-class West-End Dispensing business; excellent references. 61/8, Office of this Paper.

UNQUALIFIED; outdoors; middle-aged; experienced; disengaged. "Alpha," 36 Chudleigh Road, Brockley, S.E.

UNQUALIFIED Drug Store Manager; berth as same or Counterman; good Salesman, Prescriber, and Window-dresser; could assist Dispensing; married; age 29; start at once; permanency. Bridges, 197 Winchester Road, Lower Edmonton, N.

UNQUALIFIED; Counter, Dispensing, Extractor, N.I. work. "Chlorine" (60/2), Office of this Paper.

UNQUALIFIED; evening work wanted; Dispensing or Surgery Attendant. "A.," 24 College Street, Chelsea.

WORK wanted by experienced qualified man for three or four weeks; any capacity; moderate salary. Burrell, 40 York Street, Portman Square, W.

YOUNG Lady Dispenser (Hall) desires position with Chemist or Doctor; experience required; expenses only; Manchester district. Smith, "Willowbank," Kersal Dale, Manchester.

25.—Any gentleman requiring smart all-round Assistant should write, 8 Datchet Road, Windsor.

WHOLESALE.

ADVERTISER, with sound connection amongst Chemists, Stores, and Wholesale houses, London district, seeks Representation for established Wholesale or Manufacturing firms; thorough knowledge Drugs, Sundries, and placing of Proprietary Preparations through Medical profession and Chemists; excellent references; disengaged through war. 58/4, Office of this Paper.

AS Traveller, calling on Chemists, wishes to Represent good firm. Salary and full particulars, F. Curtis, 7 Lahore Road, Croydon, Surrey.

BOOKKEEPER; 25; holds Chamber of Commerce certificate; experience Wholesale Chemists; can prepare final accounts; knowledge secretarial work. 61/11, Office of this Paper.

PHARMACEUTICAL Chemist, arriving in New Zealand early in the New Year, would Represent Wholesale house, Drugs or Sundries. 59/16, Office of this Paper.

RELIABLE practical man (38), all-round Laboratory and Buying experience, well up in Toilet Products and Proprietarys, organiser, able to handle large outputs for Home and Export, requires post. 61/24, Office of this Paper.

REPRESENTATIVE, residing near Liverpool, to call on Medical Men and Chemists; 10 years' experience; highest references; ground covered, North of England, Scotland and Ireland. "B. Z." (60/1), Office of this Paper.

UNQUALIFIED (26) wishes to Represent well-known firm; calling on Chemists in London or Suburbs; energetic; good Salesman; excellent references. 59/12, Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green. Shares for Sale (free of commission, subject).—200 Claudius Ash Ordinary, 25s. 7½d.; 200 Lever "C" 6 per cent. Preference, 21s. 6d.; 100 St. Ivel 6 per cent. Preference, 16s. 1½d. Wanted (subject).—Camwal, Idris, Lewis & Burrows, Parke's Drug, and Wright Layman Preference.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

McQUEEN'S A.B.C. System of Accounts; works out profit and loss account, income-tax return, etc., with guaranteed certainty; heavy war-tax and greater insistence in payment must be anticipated; poor bookkeeping may prove costly. Full particulars and testimonials free from McQueen & Co., Moat Road E., Leicester.

PHARMACEUTICAL BENEVOLENT FUND.

ELECTION, DECEMBER 8.

PLEASE give some of your votes to **GEORGE FRANCIS KNEEN**. He is in his seventy-fifth year, and was in business as a Chemist and Druggist at 141 Anerley Road, Anerley, S.E., for over thirty-five years. Lately he became paralysed and so helpless as not to be able to resume business. He was a subscriber to the Fund for thirty-five years. He is married, has no income whatever, and nothing to depend upon beyond aid from this Benevolent Fund. The case is known to and strongly recommended by Allen & Hanburys, Ltd. (Brindley Grice, Esq.), 37 Lombard Street, E.C.; The British Drug Houses (Roger Harvey, Esq.), 22-30 Graham Street, City Road, N.; S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.; Meggeson & Co., Ltd. (Vincent Dodd, Esq.), 14 Miles Lane, E.C.; Sangers, 258 Euston Road, N.W.; Whinfield Hora & Co., 47 Minories, E.C.; J. A. Phillips, Esq., 70 Lawrie Park Road, Sydenham, S.E., by any of whom Proxies will be gladly received, as also by the applicant, George Francis Kneen, c/o E. R. Booth, 135 Croydon Road, Anerley.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. **S. E. Hackett**, 23 July Road, Liverpool, E.

SHOPFITTINGS at War Prices.—To make room, the whole of our Stock is to be sold at reductions from 10 per cent. to 50 per cent. discounts; 12-ft. Mahogany and Plate-glass Counter, £8 7s. 6d.; 6-ft. Mahogany Wall Showcase, 9 ft. high, £7 17s. 6d.; 6-ft. Mahogany and Bent Plate-glass Counter Case, 90s.; other bargains in proportion. Write inquiries, **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, London, E.C.

CHEMISTS' Fittings.—Silent Salesman, Glass Showcases of every description, Drugfittings, Dispensing-screens, Wall-cases, Glass-front Counters, Perfume-cases, Desks, Counter Drawers, Shelves, Mirrors, shop-soiled, second-hand, at lowest prices; don't decide till you get my estimate; you can't get better value; 30 years fitting Pharmacies. **GEORGE COOK**, The Chemists' Working Shopfitter, Catherine Street, City Road, E.C. (few doors from Old Street).

CHEMISTS' Fittings, High-class.—14-ft. Drug Fitting, Mirror centre; 8-ft. Mahogany Wall Case; 8-ft. Dispensing Screen and Counter; 10-ft. Glass-fronted Counter; Counter Drawers; Perfumery Case and Desk; £55 10s. the lot, bargain; cheapest house in the trade for structural alterations, shop-fronts, etc. **H. MILLS**, Chemists' Complete Shopfitter, Shopfront Builder, Steam Works, 163-5 Old Street, E.C. Phone 550 London Wall.

ABOUT THE XMAS TRADE.—Suggest your goods as suitable for "Xmas Presents" by means of gaily coloured "Xmas Present" Tickets and Posters, and secure a rich harvest of increased business. Illustrated list No. 215 in colours, showing over 100 most attractive designs, free for asking, **Dudleys, Ticket Specialists**, Holloway, London.

£2 FOR NOTHING

"Since showing your Soldiers' Wants' Cards," writes a Yorkshire Chemist, "I have sold over £2 worth of miscellaneous soldiers' requirements." The cards cost him nothing; as a buyer of Talking Cards he got them free. You can get them in the same way or buy them for 2s. 6d. the set of three, carriage paid. Send P.O., or write for details.

BROMLEY, Chemist, Whetstone, Middlesex.

8/-

JAY MACK'S LEDGER

with Cash Book lasts 4 years,
and needs only 10 Minutes' work weekly.
On approval 4 days on receipt of P.O. or Cheque.
Is it worth 1/- in postages to you to see
how easily Modern Books can be kept?

Post free from **MACK-IVOR, Hightown, P.O., Crewe.**

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

"CHEMIST AND DRUGGIST," bound in volumes, for about 20 years; offers wanted. **Sharman, Northwood.**

DRUGS AND CHEMICALS.

2 oz. santonine, 10s. 6d.; 2 oz. cocain, 11s.; or offer. 59/55, Office of this Paper.
4 oz. cocain, hydrochlor., 9s. oz.; 1,000 aceto-salicylic tablets, 5-grain, 7s. 6d. post free. **Finlayson, Pharmacist, Stockton-on-Tees.**
2 lb. bismuth, carb., 9s. 6d. lb.; 2 lb. pot. iodid., 12s. 6d. lb.; 25 oz. quin. sulph., 1s. 3d. oz.; 4 lb. pot. brom., 3s. 9d. lb.; 4 lb. sodæ salicylas, 5s. lb.; 7 lb. cera flav. opt., 1s. 10d.; all goods guaranteed B.P.; cash with order. **Brewer & Marston, Chemists, 44 Cophthall Avenue, E.C.**

PROPRIETARY ARTICLES.

3 doz. Hales' cocoa wine (large), 3 doz. ditto (small), 3 doz. Hales' Vin-Sanguis (large), 3 doz. ditto (small). Address, **Whitney, Chemist, New Ross, Ireland.**

SHOP FITTINGS.

TWO counter cases, glass fronts and tops, 24 in. by 18 in. by 8 in., 11s. 6d. each. **A. Dyson, Prudhoe-on-Tyne.**
FOUR 2-gall. swan-necked earboys (York Glass Co.), cut stoppers, on heavy baywood blocks; cost 45s. each; offers wanted; also shop-rounds and complete fittings. List on application to **Granville Wood & Co.**, 30 High Street, Oldham.

MISCELLANEOUS.

VIAL CORKS, small stock for sale. Samples and quotations free, **Finch, 39 Upper Conduit Street, Leicesters.**
WHAT offers, 1 doz. Oatine cream 1s., 4 only 2s., 7 oz. thymol, also 7 lb. mercury at 2s. 9d. lb. **Heaton, Chemist, Burnley.**
AMAMI cream, 10s.; tooth-paste and powder, 8s.; shaving-sticks, 8s.; nail stones, 4s.; shampoos 12s. per doz., carriage paid. 56/21, Office of this Paper.
TWO genuine Thermos flasks, nickel and leather, and two ditto japanned; retail prices 30s. and 15s. each; all quart size. Offers to **Seath & Louden, Dunfermline.**

WANTED.

WANTED, the address of **Henry D. Glass**, chemist. 61/16, Office of this Paper.
SMALL hand mixing machine wanted for pastes. Particulars, 59/013, Office of this Paper.
WANTED, small tincture press in good order. State lowest price carriage paid, **Wray, Cookstown.**
FLAT counter case, glass front and top, 6 ft. by 9 in. by 4 in.; what offers? **A. Dyson, Prudhoe-on-Tyne.**
WANTED, address of English company or firm making tungsten or tungstates hitherto made in Germany. **Stedman & Co., Ltd., West Malling, Kent.**
WANTED, folding and vest-pocket cameras, also prism binoculars, any quantity, for cash. Full particulars to **Watson's, 84 High Street, Sheffield.**
OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. **Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.**

Portsmouth.—The Portsmouth Pharmacists' Association has resumed activity for the winter. **Mr. T. O. Barlow** (Vice-President) took the chair at a meeting on November 17, when a fair number of members attended. Social events are to stand in abeyance, the President (**Mr. C. H. Baker**) having expressed a preference for energies on behalf of charitable or relief work. Two new members were elected—**Mr. W. O. Smith**, of Fareham, and **Mr. Hemming**, pharmacist at the Royal Portsmouth Hospital. The meeting then resolved to the "panel" and dealt with Insurance business, **Mr. T. A. White** occupying the chair. Reports of several Pharmaceutical Committee meetings were read by the Secretary (**Mr. A. B. Sparrow**), while **Mr. W. A. Bell** gave an exhaustive account of the condition of the local Drug Fund. Panel chemists have received 80 per cent. of their accounts for the third medical quarter, and the balance (20 per cent.) of the second quarter is now being paid, but it is estimated that the fourth quarter will suffer discounting to the extent of nearly 40 per cent.

WYLEYS LIMITED

Manufacturing & Analytical Chemists,
WHOLESALE & EXPORT DRUGGISTS, **COVENTRY.**

MALT AND MARROW.

A COMBINATION OF RED BONE MARROW AND FLUID EXTRACT OF ENGLISH MALT WITH GLYCEROPHOSPHATES. A VALUABLE NUTRITIVE AND DIGESTIVE TONIC.
Packed in 12 oz. round-edged amber bottles ... **21/-** per doz. net.

"VITANO."

"VITANO" is the name of a meat, malt, and port wine, originally put on the market at the suggestion of a well-known physician, who required a guaranteed article of definite quality and composition. Prepared from choice, selected, matured wine, in combination with extract of meat and extract of malt, "Vitano" indicates a preparation of extreme usefulness in all cases of debility and want of general tone.

Dose: A small wineglassful three times a day.

"Vitano," in reputed pints ... doz. **12/-**

"Vitano," in reputed quarts ... **24/-**

PETROLEUM CONSERVE (Raspberry Flavour).

A preparation of specially purified petroleum, which is now widely used as a laxative. This preparation acts purely mechanically as a laxative and soothing lubricating agent. It is absolutely harmless and may be taken freely by all, including delicate children.

4 oz. Screw Cap Vases ... **6/-** per doz.

COD LIVER OIL EMULSION.

In white bottles, new series, without cartons. 3 oz., **4/6**; 6 oz., **7/6**; 12 oz., **12/3**; 24 oz., **22/6** per doz.

"Lifebuoy" Brand, blue and gold labels.

"Three Spires" Brand, red and gold labels.

"Fish" Brand, green and gold labels; also chocolate and gold labels.

Three dozen, name and address free.

EXTRACT OF MALT WITH COD LIVER OIL.

6 fl. oz., **5/6** per doz. Cartons, three varieties: 9 fl. oz., **7/6**; 12 fl. oz., **9/6**; 18 fl. oz., **12/6**; 24 fl. oz., **15/-** per doz.

In white earthenware pots: 1 lb. size, **9/6**; 2 lb. size, **16/-** per doz.

In screw cap amber glass jars, patent stoppers. Round, square and oval. $\frac{1}{2}$ lb., **5/6**; 1 lb., **9/-**; 2 lb., **15/-**; 4 lb., **28/-** per doz.

Also put up in 1 lb. tins, **7/6** per doz.

PHOTOGRAPHIC SPECIALITIES.

"Photopel" was the first Compound Photographic Pellet put on the market, and was originally produced by ourselves, under Patent 1085 in 1889

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A Developing Photographic Pellet.

The object of "Photopel" is to minimise the trouble of preparing developing solutions for photographic use, and to combine in a portable and permanent form the necessary materials for producing negatives or more finished pictures as opals, transparencies, etc. "Photopel" is alike adapted for Negatives, Opals, and Lantern Slides.

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PYRO-SODA. METOL-QUINOL. GASLIGHT PAPER. HYDROKINONE. Each packet makes 10 oz. of solution.

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These are put up in boxes of one dozen each. Each powder is well wrapped in waxed paper, and will keep without deterioration for any length of time. Name and address on six dozen.

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London Depot: 2 BATH STREET, CITY ROAD, E.C.

INGRAM'S

Eclipse
REGD

TRADE

MARK.

HOT WATER BOTTLES

BRITISH MADE BY BRITISH LABOUR.

**FITTED WITH STOPPER
GUARANTEED NOT TO SLIP OR LEAK.**

GUARANTEE.

INGRAM'S "ECLIPSE" HOT WATER BOTTLES are personally examined and tested under strict supervision as to the Quality of Rubber, Workmanship, etc., and we assure our patrons that with careful use in any climate, and storage under favourable conditions, these high-grade quality, "Eclipse" Hot Water Bottles are warranted to give entire satisfaction, and will remain in a perfect state for a period of Two Years.

C. Instances have been brought to our notice of these quality Bottles having remained in good condition for as long a period as Five Years.

The "ECLIPSE" HOT WATER BOTTLE is made in all sizes, and can be supplied with Jug or Loop Handle, and the Stopper fitted to this Bottle is Guaranteed Not to Slip, therefore it becomes practically impossible for the Stopper to become loose, or the Bottle to leak in consequence

OBTAINABLE FROM ALL WHOLESALE HOUSES.

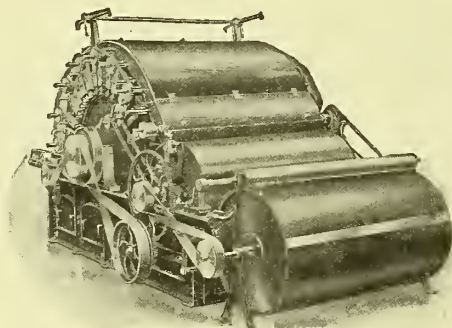
The "Eclipse" Hot Water Bottle is Embossed with the fac-simile Trade Mark as above, which is a Guarantee of Quality.

Manufacturers : J. G. INGRAM & SON,
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Absorbent Cotton Wool

(SURGICAL WADDING).

Complete plants supplied for manufacture of above.



CARDING ENGINE for Absorbent Cotton Wool.

WM. TATHAM, Ld.
Rochdale, England. (3)

BOTTLES :

:: YORKSHIRE MAKE ::



DISPENSING as illustrated. Plain or Graduated.

1 1/2 & 2 oz.	3 & 4 oz.	5 & 8 oz.	10 oz.	12 oz.
7/9	8/-	9/-	13/-	14/6
	16 oz.	20 oz.		
	19/6	21/-	per gross.	

GREEN PANELLED (three sides)

1/- per gross extra to above prices up to 8 oz., 2/- extra beyond.

GREEN PANELLED HEAVY (for Cough Mixtures)

2 1/2 oz. 8/9 ; 5 oz. 10/- per gross.

POISON. Oval Ribbed, Pale Green (for Ammonia)

3 & 4 oz.	6 & 8 oz.	10 oz.	12 oz.	16 oz.	20 oz.
9/6	10/6	13/6	15/-	19/6	21/6
per gross.					

VIALS and HEXAGON POISONS at proportionately low prices.

TERMS : NET CASH 7 DAYS. CRATES 1/- EACH.

Carriage paid on 6 gross assorted crates up to 100 miles ex Leeds (small extra charge beyond that distance).

THOMAS SWALES,
24 BUTTS COURT, LEEDS.

AIR CUSHIONS.

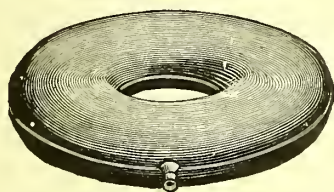


Fig. 1194.

**BRITISH
MAKE.**

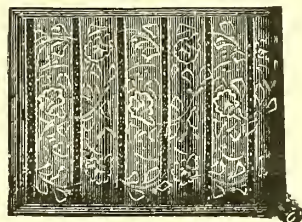


Fig. 1354.

Fig. 1194.—The **"Empire"** red india-rubber Air Cushion—

DIAMETER	14	15	16	17	18	19	20 in.
each	6 0	6 6	7 0	8 0	9 0	10 0	12 0

Fig. 1354.—Air Cushion, sateen covered, reeded ...

SIZES	14×10	15×12	18×14 in.
each	3 3	3 9	4 6

Special Line.—Khaki-covered Pillow, 17×12 in., in khaki case with clasp ... each 4 6

5 % discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

We are the right House for Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheetting, and every description of Rubber Goods.

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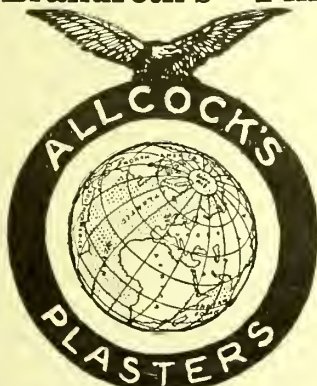
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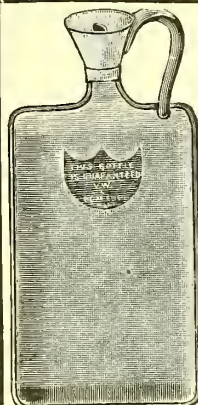
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SEND FOR LIST, &c.

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8/- 9/- 13/- 18/- per gross.

Clear Blue Tinted. Best Quality. QUININE.
3 & 4 6 & 8 12 16 ozs. Plain or graduated, round edges.
10/- 11/- 16/- 20/- per gross.

CHEAP BOTTLES for Dispensing.
5 & 4 6 8 ozs. Plain or graduated, round edges.
7/- 8 3 8 6 per gross.

WHITE PHIALS—GOOD QUALITY.
1 1 2 ozs. Plain or teaspoons.
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3/2	3/11	4/-	4/10	4/-	5/-	5/6	6/1	5/6	6/-	7/-	8/6	7/9	8/9 ea.

William Toogood,

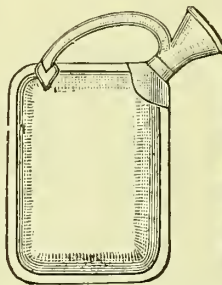
LIMITED,

77 Southwark St.,
LONDON, S.E.

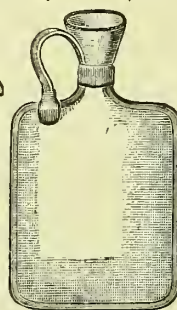
'Phone—HOP 4170
(2 lines).



457



458



1474

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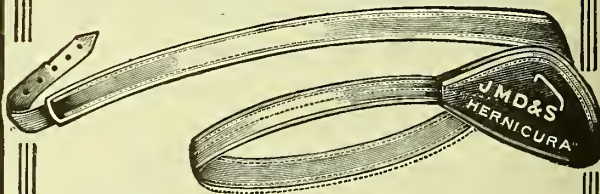
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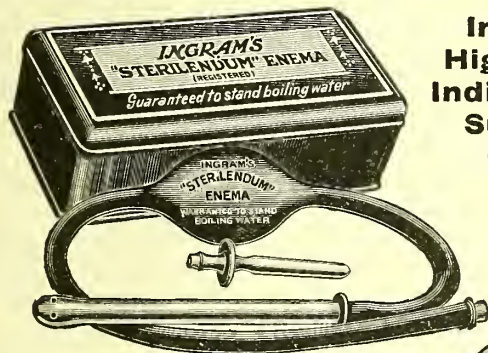
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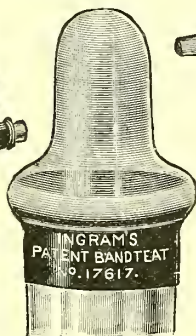


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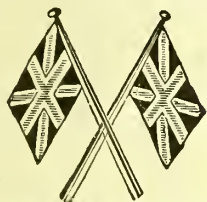
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Cod Liver Oil Emulsion.

This is an extremely palatable emulsion, and contains 50% of the finest Norwegian Cod Liver Oil. Packed in attractive cartons, it sells very readily, and the price is unquestionably a low one.

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